

**VHF-UHF
DIGEST**
the official publication of the Worldwide TV-FM DX Association

OCTOBER 1978

THIS ISSUE

**ELVING'S 30th FM DX YEAR!
CONVENTION REPORT
SUPER TROPS IN THE EAST**

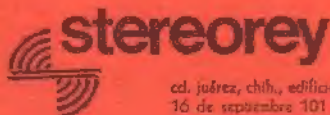
WJPD AM-FM
P. O. BOX D, 110 CANDA
ISHPEMING, MICHIGAN 49849



224 S. MAIN AVE.
SIOUX FALLS, SOUTH DAKOTA 57102



BOX 518
COLUMBUS, NEBRASKA 68601



cd. Juárez, chih., edificio martino
16 de septiembre 101 1er piso
despachos 111, 113, 114



kelo-land fm stereo

WCAL 770 WCAL-FM 89.3

Public Radio from St. Olaf College
Northfield, Minnesota 55057



P.O. Drawer 314 Las Cruces, New Mexico 88001



State University Station

FARGO, NORTH DAKOTA

SUPER Q 104

PO Box 794
Yankton, South Dakota 57078

KWZ

Idaho First Plaza
816 12th Avenue South
Nampa, Idaho 83651

From The Staff:

WTFDA Headquarters, P.O. Box 202, Whiting, Indiana 46394

CONVENTION 1979...Bids are now being accepted for WTFDA's 1979 Convention. Before bids will be accepted they must be on the proper bid form now available from HQ in Whiting. All bids must be in Whiting by November 30.

MEMBERSHIP COMMITTEE...Members are needed to write prospective new members in their areas. Those interested should write John Zondlo, address at the top of the next page.

TECHNICAL COMMITTEE...We are now looking for members to help search out technical articles in various publications that may relate to our hobby. Members of the committee would be asked to contact the publications to secure permission to reprint the articles in the VUD. Those interested are asked to write Frank Allen, Jr., 105 SW Brook Apt 4, Newport OR 97365.

REPRINT CATALOG...Mike Hogan is now finishing the new reprint list which should be available in the next couple of months.

FOC FM...Bruce Elving celebrates his 30th year in FM DXing this month and a special report appears on page 7. Bruce comments: "This article grew out of a suggestion made at the 1970 WTFDA convention in Dunkirk NY that we write up our personal experiences as DXers. I thought it appropriate that I write this article, recognizing, however, that I am not the person longest active in FM DX in the club, but just 'one of the crowd,' who was blessed with a certain amount of DXpertise and luck."

NEW COLUMN...Merle Goldman is the editor for the new WTFDA NEWSWIRE. This column will act as a general news column for the VUD and all newspaper articles should now be sent to Merle at 5815 S. Christiana Ave., Chicago IL 60659.

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MAILBOX

John Zondlo
6617 Maryland
Hammond, IN 46323
(219) 844-8694
Deadline: 10th

New Members:

Jim Ayers	2847 Woodside Drive	Jackson, MS 39212
John Barber, Jr.	Box 65	Carolina, RI 02812
Don Bennett	Box 231	San Juan Capistrano, CA
Roger Besch	1030 N. 78th St.	Lincoln, NE 68505 / 42675
Dennis Dean	P.O. Box 24171	Dayton, OH 45424
David Hammer	4666 Larkhall Lane	Columbus, OH 43229
Takayuki Kawasaki	14-102, 456-1 Miyanoshiba	Yamitsu-City Chiba, JAPAN
Robert Kramer	1409 Mae Smith, Grinnell	Carbondale, IL 62901
	Hall - SIU	
Lloyd Scott, Jr.	P.O. Drawer 1729	Barrow, FL 33630
	1245 W. McLeod St.	
Doug Talley	4121 Redwood Ave.	Los Angeles, CA 90066
Graig K. Willard	G-33 Montgomery Court	Marlerth, PA 19072

Renewals:

Alex Berman, Joseph Bradley, R.S. Broadhead, L.F. Browne, Mike Bugaj, Walter Chmara, Roosevelt Crawford, Bob Curole, Al Ellis, Richard C. Evans, James Filler, Robert Fischer, Jim Gould, Joe Gregg, Steven Grimm, Bob Langridge, Albert S. Lobel, J.O. Mallinson, David Martin, Vic Melis, Kurt Nelson, David Nordmann, John Parillo, Paul Petosky, Robert Ross, Don Ruland, Mark Saran, Peter Sawatzky, Edward Sirovy, David Walcutt, John Walters, Barry Wallner, Paul and Dave Wardell, Larry Weil, Michael Wimer, Charles Zipser.

Rejoins:

Richard Turesany-7 Cayer Circle-Shelton, CT 06484

Address Changes:

Don Allison-720 S. 5th St.-Clinton, IA 52732
Mike Hogan-13910 Chippewa, Apt. 1-Burnham, IL 60633
David Lerler-457 E. Kadsworth Hall, Michigan Tech U.-Houghton, MI 49931
Andrew Mahoney-412 Lincoln Court-Des Moines, IA 50312
David Martin-3026 Norwich Road-Lansing, MI 48910
Kurt A. Nelson-147 Church Road-Philadelphia, PA 19111
C.H. Phillips-P.O. Box 897-Gilbert, MN 55741
Mike Sweeney-38 Fairlane Drive-Wethersfield, CT 06109
Mark Westling-6039 Westridge Lane, #312-Fort Worth, TX 76116

Renewals Due in November:

B.T. Battin, George Ripley, Harold Cox, Perry Ferrell, Robert Foxworth, Richard Hawkins, Roy Horsley, John Jefferson, Deane McIntyre, Dave Pomeroy, Lee Prescott, Marvin Shults, Dennis Smith, Richard Tidberg, Larry Vehorn, Thomas Yeazell, Tom Yingling.

Three other clubs claim JIM AYEFS as a member: NRC, IRCA, and the Fixie TX Club. Jim lists his equipment as an SX-99, DA-5, SX-650, FM-5, a 1963 Zenith TV, Quantum 1110, and Finco P-7.

New member JOHN BARBER, JR., learned about the club in Communications World. He's a 14 year old student whose DX shack features 3 FM sets, 2 AM units, and 3 shortwave receivers. His TV DX antennas are in a stacked array mounted on a 100' tower.

Electronic engineer ROGER BESCH designed the preamp he uses with his FM tuner, an AN-2016. Formerly a BCB DX club member, Roger is interested in BCB, FM and TV.

DAVID HAMPER is into the technical side of LW, MW, SW and VHF DX. He belongs to NACWA, SPEEDY, MYDX, and LMCA, among others. DX gear includes a Technics 5270 and an ICF 5900W.

Chicago native ROBERT KRAMER is a longtime friend (?) whose arm I finally twisted hard enough to join the club. Robert is a noted BCB DXer, and hasn't done badly at all at TV DX. He hosts the traditional Christmas CADY (Chicago Area DXers) get together in his unique DX location. Now a student at Southern Illinois University, Robert hopes to eventually teach radio-TV.

DOUG TALLEY is interested in VHF, UHF and microwave DX. He has several custom built antennas and receivers. Doug learned of the club in Popular Electronics.

From the Keystone State comes radio dispatcher CRAIG K. WILLARD. He has three call signs: KOC4344, WDX3CKW, and KP43AX. He's primarily into PSB DX, with equipment including a GE 7-2970 Monitor 10, Realistic Pro 16-A, Regency ACTR 20/6, Bearcat BC101, Realistic RPA, and Realistic Pro 4-A. He also belongs to NASPA, NREB and RCFA, and learned of the club in Communications World and Communications Handbook.

Tidbits.....

Few member Doug Talley has a request: "I would be most interested in hearing from anyone in LA area who can receive K20V, channel 12, Santa Maria, on a regular basis. Channel 12 carries all Rams football games, which are normally blacked out in LA area." If you can help Doug out, write to him at the address on page 3.

Bob Lanbridge had a rare opportunity to see how antennas are made: "I have written to Pinco, Channel Master, and visited the Winegard plant. Pinco has a good UHF supply, but I am unable to order anything since there is no UHF to speak of around here. Channel Master has a system that I think no IYer has - 4 stacked 7' dishes! How would you like to have that system with an AG4990 preamp! Super possibilities! My dad had to make a business call in Burlington (IA) so we visited the Winegard plant. Dale Hemmle, the senior systems director, gave us a grand tour of one of the plants. We had a real good time there." Bob's home base is Lurant, IA.

Recent new member Bill Phillipson (18954 Pendergast Ave., Cupertino, CA 95014) has this intro: "I joined the club in May this year. My main DX interests are PSB monitoring, BCB, and SW, in that order. I have a Realistic PHO-2001 scanner and an HQ-200. The "In Search of PSB" column is really great!"

These words from Walt Chmara (2870 Clifton Drive, Cornwells Heights, PA) are better late than never: "Summer is slowly oozing away, and before August goes, I want to get in front of the set and do some serious TV DX'ing. So far I need 4 more stations to complete my Connecticut list. I have seen all the stations in Delaware (there is only one), I need 2 UHFs to complete District of Columbia, 2 to finish off Maryland, I've seen all in New Jersey, all in NYC plus WLJW-21, all in Philly, Scranton, Allentown, Lancaster, Wilkes-Barre, and York, I've got one in Providence RI, and although I'll probably never beat that Sioux City logging I told you about before, as long as I live there's hope. And, hopefully, I'll be sending in reports that will be of interest. I've built a sign that says 'Stamp Out Apathy', but until now, I didn't have the get up and go to carry it anywhere."

Randall Clark (Route 5, Dutch Ridge, Parkersburg, WV 26101) says: "Anyone out there interested in collecting info on remote pickups? I'm very much interested in authoring an article on remotes in the near future. Also, would anyone have any information on an RTTY station on the government frequency of possibly 41.87 or 41.89, or it could be on another frequency as my receiver's not too accurate? I'm also hearing a lot of government stations within the 34.001 to 34.99 MHz band, 36.001 to 36.99 MHz, 38.270 to 38.99 MHz, 40.001 to 41.99 MHz, 46.61 to 46.99 MHz, and finally, 49.61 to 49.99 MHz. These bands make very fine listening indeed!!" Randy says that he heard his RTTY station on 5/23/78 from 1820 to 1827 EDT. He heard definite FEX shifting sounds. Randy also mentions hearing an Army communications repeater on 5/31/78.

From the Hoosier state, James Filler (307 E. 9th, Muncie, IN 47302) comments: "This entire year has been rather unusual in the area with cold winters, blizzards, hot waves, and 200 mile out EX almost every day, but very few new loggings. My new total is only 147 stations, down more than 50% from the last 2 years."

John Walters is in need of several back issues of the VUD, namely January, February and March 1977, August and December 1974, and November 1973 and all prior issues. If you'd care to part with your copies of these issues, write to John with your asking price. His address is P.O. 3, Acorn Drive, Vincentown, NJ 08088.

From Connecticut way we have these words from Albert Bernard (179 Glastonbury Turnpike, Portland, CT 06480): "I have been experimenting with various antennas and stacking arrangements for FM reception and hope that in some future issue there will be an article devoted to building a home brew FM antenna of maximum size. It seems to me that most commercial manufacturers keep the boom length a little short (10-12') to realize maximum gain with a 10 element antenna, perhaps for artistic and marketing reasons. From what I have read on antennas the optimum director spacing is around 0.2λ, which is around 2' at the FM frequencies. Anyhow, are there any expert antenna experimenters or designers who might be able to contribute some ideas on designing an antenna with a gain of 15 or more db? If there are some folks in the WTFDA that could, maybe you could persuade them to write an article."

See ya in November.....73.....jz

FCC FM NEWS

Bruce F. Elving, Editor
18 1/2 E. Fifth Street
Duluth MN 55805

New Station Grants

NY Carthage 92.1 3000 (h); 300'
ND Lebanon 92.1 3000 h; 300' reinstatement of a 1975 grant
NY Herkimer 92.7 3000 h,v; 300'; m
OR Coos Bay 96.3 440 h,v; 610'; g
TN Cleveland 3000 h,v; 300'; 98.3 MHz
TX Portland 105.5 3000 h,v; 300'; m (near Taft TX and Corpus Christi TX)
UT Ogden 97.9 48950 h,v; 699'
WY Rock Springs and Dry Lake K292BS 106.3 h, m, f [translator of KLSN 97.1 Salt Lake City UT] [Community Education]
PR Levittown (18-26-30; 66-11-08) *88.9 10/
AT Fort McMurray 99.3 20200 CBC-AM (CBC-relay) 101.5 20200 * French
BC Nassau 103.9 85 watts CBC-AM
BC Prince George 91.5 100000 CBC-CBU relay ac 95.5 130 CBC French
ON Gogama (between North Bay and Sudbury) 104.9 10900, French, CBS relay
ON Kingston 92.4 1600 watts g; CBC-FM
ON Red Lake 90.5 82 (h); 275' CBC-CBorelay
PU Blanc Sablon 102.7 100 m CBC-AM English 107.1 100 m CBC-AM French
PQ Camp LGF (53-50; 75-50) 100.7 10 watts
PQ Harrington Harbour 95.5 210 CBC English 100.5 200 CBC French
PQ La Tabatiere 100.1 200 CBC-French 101.5 210 CBC-English
PQ Old Fort Bay 91.7 42 CBC French 95.9 43 CBC English
PQ St. Augustin-Saguenay 102.3 17w CBC Eng. 107.3 17w CBC Fren.
PQ Tete-a-La Baleine 103.5 20 m CBC-French
PQ Trois Rivières 106.9 4326; CBC-English

On Air and DX Ready (Presumed)

(See also Formats/Networks for news of see on-the-air stations) [Mutual network]
NR Brainerd JJJL 106.7 100000 h,v; 448'; g, m
NH Fairmont KFMC 106.5 17000 h,v; 360'; g, n, u
AT Lethbridge CRRX 100.1 100000 h,v; 571'
PQ Trois Rivières 106.9 4326w; English
SA Saskatoon 105.5 g, 98000 w; CBC

Facilities

AK Shemya "AFRM" is on 101.1, not 101.8, as mentioned by Rod C'Connor who saw the decal on their transmitter!
AR Iowakana KADQ-FM 107.1 adds vertical (v)
CA Santa Rosa KCLR *91.9 240 h,v; 1090'
CO Boulder KGNU *90.5 3600 h,v; 220'
CO Denver KIMN-FM 98.5 100000 h,v; 720'
GA Sandersville WSNT-FM to 93.5 (from 94.3) 165' (3000 h,v)
HI Honolulu KAIM-FM 95.5 100000 h,v; -24'
IL Taylorville WEEB 92.7 2600 h,v; 295'
IN Indianapolis WBGG *90.9 4000 h,v (105')
IA Iowa City KNIIT *90.3 Dolby
LA Lafayette KSWB 94.5 56000 h,v; 350'
MA Sandwich WSOH *91.5 (from 91.7) 310 h, 170 v; 150'
MI Saginaw W1GQ 106.3 1950 h,v; 360'
MS McComb W1XQ 105.7 370' (100000 h,v)
ND North Dakota City KVCN 103.9 3000h,v; 300'; NC Raleigh WSHA *88.9 10000 h,v (115'); OH Gallon WQLX 102.3 adds v

OH Mt. Vernon WWOV-FM 95.7 500' (20 h)
OK Oklaoma City KAEZ 107.7 100000h,v; 185'
PA Hershey WITF-FM *89.5 4200 h,v; 1360'
TN Milan WBJ-FM 92.3 100000(h); 160'
TX Houston KAUM 96.5 has vertical
UT Salt Lake City KLSN 97.1 30000 h,v; 3650'
VA Bristol WFHG-FM 95.9 67000 h,v; 2240'
VA Covington WFOI 100.9 3000 h,v; -210'
VA Roanoke WLRG 92.3 43000 h,v; 2050'
WI La Crosse WMLA *90.3 adds Dolby
WI Menomonie WMMK *95.3 adds Dolby
WI Oshkosh WOSH 103.9 2650 h,v; 320'
WI Wausau WHRM *90.9 adds Dolby
AT Rec Deer CKKD-FM 98.5 to 63000, and to a new, unannounced antenna height
BC Vancouver CBUF 97.7 46000; antenna height not announced, possibly it is deleting its directional antenna
ON Timmins CFTI 92.1 16670 plus 7 ht.

Call Letter Assignments

AL Fairhope 92.1 WHSP (from WGOK-FM)
AL Mobile *90.5 WFOH
CA Healdsburg 92.4 KJHP
CA Los Angeles 93.5 KZLA (KPOL-FM)
FL La Bolla 92.1 WWHG
FL Boca Raton 99.9 WWSQ (WWSQ); *Miss. as uses calls frequently; still h
GA Augusta 105.7 WAGS-FM (WAGS-FM); this is a change which I alone recognize because AM has now called FCC does not consider this a call change.
HI Honolulu 93.9 KP16 (KIKI-FM) to be re
IL Salem 92.7 KSRA-FM (IL Radio 96.9)
IL Glenview *88.9 WAGA WJLP (WHTT) 97-10 Urbana 103.9 WK10 (WTRC); X, m
MI Munising 98.3 WQXQ-FM (WQXQ)
MI Gladwin 103.1 WYNN
MN Saint Paul *91.7 KJAB 95.7 KCMG
MS Carthage 98.3 WWTW
MS Eupora 101.7 WEXA (WKEA) (K7CC)
MO St. Louis 96.3 KADL (KADL-FM)
NE Gordon 95.3 KSDZ
NY Houghton *90.3 WJSL
NY Mantles *91.3 WADZ and ON AIR! (rp) 82
NC Plymouth 95.9 WRLX [(from m)
NC Charlotte 107.9 WBCY (WB1-FM); rp /
ON Ashtabula 97.1 WREGO-FM (WREGO-FM); another change the FCC does not recognize but I alone do, because WREGO's AM affiliate has changed its calls to something other than WREGO (AM).
OH Wilmington 102.3 WKFI-FM (WDRK)
OK Gristola 104.9 KREK
OK Edmore 97.7 KCFX (KCMF)
PA Bethlehem 95.1 WZZO (WELV); rp
TN Chattanooga 106.5 WSKZ (WYHQ); r, *KZ-106' 99.3
TX Atlanta 99.3 NPYN (KLUK) TX Stamford 92.1 KMTV-
TX Sunset 107.1 KHLB-FM FM
TX Fabens 103.1 KLMF-FM FM
TX Fort Worth 102.1 KTXK (KFMQ); new nonID is *92-102.
WY Sheridan 96.5 KLMR (KMYO-FM)

WB Winnipeg 92.1 CIFI-FM (CKY-FM)

ON Kenora 98.7 CBXK, but a strict nonIDer, not even mentioning CBXK on the hour—or ever, as far as we can tell!

NonIDers

(Stations often employing slogans between the playing of records in lieu of their assigned call letters; may or may not be strict "nonIDers")
AL Auburn WFOI 97.7 1-97
AK Anchorage KKLW 103.9 4-Love
LA Clear Lake KZEV 103.1 Starship 103
MI Grand Rapids WMLW 101.3 The Fox 101, rp
MO Florissant KSCF 97.1 KA-97
NC New Bern WRBK 101.9 K-102 (not K-101)
AT Calgary CJAY 92.1 CJ-92; seems to give only the slogan; no call letters even heard on the hour of 12 noon.

Off the Air

MO St. Louis KBDY *89.9; since Jan., 1979

Formats/Networks

AL Fayette WPKM 98.1 r (not k)
AL Mobile WKRG-FM 99.9 r (not rm); no SCA
AL Montgomery WKML 92.3 k (not k); SCA tone
AK Anchorage KNLH-FM 105.3 CBS when simulcasting AM at night; some r then, too
AR Fort Smith KNAQ 99.4 m (not rp)
CA Auburn KHYL 101.1 rm; CA Monte Rito KRJB
CA Camarillo K5AB 95.9 rp 97.7 mc; CA Oxnard
CA Fremont KOHL *89.3 r KACY 104.7 n; CA Rio
CA Lospec KLPZ 92.7 m Vista KPRV *90.9 r
CA Los Altos KPEN 97.7 n [Spanish]
CA Modesto KFMV 102.3 top 40 r; no more/
CA St. Helena KVVN 99.3 m WBA Cheney KEMC
CA San Jose KLEL *89.3 r *89.9 jp
CA Travis Air Force Base KVIK *91.5 r
CA Tulare KJUG 106.7 k
CA Ukiah KLLI 94.5 mk; some c [Studio 107]
FL Fort Lauderdale WGLD 106.7 rm; nonID r/
FL Jacksonville WJAX 96.9 r (from rp); V-97
GA Atlanta WREX *91.1 no UP! WBA Spokane
WVEE 103.3 no ABC-FM 1 KREM-FM 92.9
GA Smyrna WQXI-FM 94.4 r, not rp, fm
IA Waterloo KFMW 107.9 not a nonIDer; always seems to say "KFMW" whenever using the phrase "Stereo 108."
LA New Orleans WYLD-FM 98.5 f
LA Sulphur K1QO 100.9 g, k (not r); *Q-101."
MI Allendale WSRX *88.5 rp
MN Minneapolis KQLD-FM 99.5 r (from m); soft rock, but definitely not rm or nr
MS Brandon WJRH 97.7 U
MS Forest WQST 92.5 r (not km)
MS Newton WNYO 106.3 r (not m); still mono
OH Oxford WOXY 97.7 r, not rm
PA Philadelphia WXPB *86.9 pj (no longer kg)
TN Chattanooga WDOO-FM 96.5 k (apparently)
TN Germantown WEEF 94.3 rm; going r & new calls. TX Austin KFIJ 98.3 rp
TX Ballinger KCBW 103.1 U (\$, m)
TX El Paso KLAQ 95.5 rp
TX Dallasville KMSC 98.3 k (not r)
TX Kerrville KPFM 94.3 S (from m); m (was k)
VT Colchester WPPV *88.7 rc
VT Montpelier WNCB 96.7 p

Stereo or to go Stereo

AL Duboisville WIAN 106.3
 AL Prattville WAIN 95.3; music on SCA
 AL Selma WTON 100.1 [b, v; -260']
 AK Anchorage KSKA *103.1, c, j, ON AIR, 3000/
 AR Hot Springs KSPA 96.7 r (from k)
 CA Modesto KAMB 101.5 back on in true \$
 after years of carrying KEAR 97.3 San
 Francisco programming monaurally but with
 \$ light on; no longer relays KEAR. KEAR
 100.5 Sacramento still duplicates KEAR
 almost 100%; KEAR is g, not m ("their
 lifting is brutal; KEAR is far superior
 technically, though not very good, either")
 KY Bensenville WJMN 103.1; r (not nk)
 KY Versailles WJMN 106.3
 LA Hammond WSLD *40.9 MS Centerville
 LA Spring Hill KTRC 92.7 WZZB 104.9, r
 MS McComb WJXO 105.7 to be \$, g, target
 date about November, 1978.

MS Poplarville WRPM-FM 107.9; m (from jk)
 MO Liberty KFUX-FM 106.5
 TX Center KLCR 102.3; r (not nk) no SCA,
 telemetry carrier only.
 TX Lubbock KDET 99.3 rp; Mutual
 TX Port Arthur KHYS 98.5, rp

Stereo at least parttime (1800-1000 weekday
 evenings?)

ON Cornwalli CQCC-FM* 95.5
 ON Kingston CCRK-FM* 107.5

SCA (67 kHz) Activities

AL Montgomery WFMJ 96.9 no SCA
 WREZ 103.3 " "
 AL Selma WALX 100.9 no SCA
 AR Little Rock KZQ 96.1 no SCA (was Muzak)
 FL Plantation KXOS 100.3 weather (talk);
 owner bought up a supply of Juliette radios,
 removed tuning dial and played National
 Weather Service for fishermen who rented
 sets.

LA Sioux City KWIT *90.3 telemetry
 only; main carrier mainly c.
 LA Crowley KAJN-FM 102.9 loud tone (+X)
 LA Houma KHM 104.1 no SCA
 LA New Orleans WNL-FM 101.9 tone (+X);
 was talking book for the blind
 MI Detroit WDET *101.9 adds SCA
 MS Meridian WAL7 97.1 no SCA
 MO Kansas City KXTR 96.5 music
 OH Circleville WNH 107.1 no SCA
 OH Springfield WEEC 100.7 gospel, but
 different g from main channel; said
 SCA on from 9 am to midnight.
 OH Washington Court House WCHO-FM
 105.5 no SCA [main is "FM-47"]
 TX Beaumont KAYO 97.5 no SCA; nond on/
 TX Galveston KJFO 106.5 no SCA
 TX San Antonio KJTL-FM 104.5 talk (news
 relay, or Texas State Network; some
 telemetry, too)
 WI Milwaukee WLTX 97.3 heard 9-6-78
 with AM affiliate WISN on SCA, but
 allegedly carries this 1b SCA only
 occasionally, and may not warrant a
 regular listing as an SCA station.
 WI Baraboo WJVE 94.4 no SCA (carrier)

Abbreviations: c classical, e ethnic, g gospel, j jazz, k country, m middle of the road
 music, p progressive rock, r rock, s soul; & ABC-FM, E ABC Entertainment, I ABC Informa-
 tion, M Mutual, N NBS, P National Public Radio, S Associated Press Audio, U United Press
 Audio, Y ABC Contemporary. \$ is stereo; h horizontal polarization. "SCA" means Subsidiary
 Communications Authorization, an FCC authorization for stations to engage in special
 programming not heard on ordinary radios, such as talking book for the blind and background music,
 and/or average listener, without a special adapter or receiver modified for 67 kHz, the (usual) SCA frequency.

Readers' Reports and Comments

This might be called my "thirty years column," because it was that many years ago this month
 that my interest in FM DXing began. Some of you in the New York city area may have caught the
 interview Harry Maynard recorded with me that was broadcast on WNYC-FM 93.9 7:30 p. m. Sept. 5.

I thank Bill Grant for sending me copies from the Federal Register of all the FCC proposals in
 regard to educational FM broadcasting, the most recent document concerning reallocation of 10-watters
 and the creation of channel 200, 87.9 MHz. Also to Dave Grim, who took a long trip through the South,
 including Texas, and he checked on both main channel and SCA for changes.

With the opening of Muncie 104.9 for applicants, there's a possibility a further bid will be filed for
 a Christian, gospel station. All WI Educational network stations, except WHSA *89.9 Brule have Dolby.
 They used to be good about turning off their \$ light when carrying monaural programs, but perhaps the
 Dolby system requires fulltime use of (false) stereo. If so, I'd say this is a reason stations shouldn't
 embrace Dolby. Greg Monti said both his and Ron Wing's SCA explanations are valid, but to really
 understand the difference between SCA and main channel you have to look at a "spectrum analyzer,"
 which graphically lays out all the components in an FM signal, including the 19 kHz stereo pilot tone.

Rick Samford and I both noted the six-page article on FM antennas in the Sept., 1978 *Stereo Review*
Review, by John McVeigh. "Same boring stuff that I've read before but at least the hi-fi mags are
 starting to give this obscure 'hi-fi component' some attention." But the article says nothing of FMDX.
 You may have seen *FM Atlas* and SCA ads in most of the hi-fi magazines lately. The one that has gotten
 the best results so far has been the FM-SCA ad in *Audio*.

London (Ontario's) new 100.5 station believed heard testing; call letters not known and of course
 not announced. Al Ellis sent an article on an old ham technique, "double sideband," which he muses
 might be suitable for stereo. WLRQ 95.3 Whitehall MI back on; "loose top 40 format, operating on
 a makeshift basis at the FM transmitter site, "Super Q." WSRX *88.5 Allendale MI hopes to apply for
 \$50 w by Jan., 1980, if they can raise the money. "Good luck on the SCA hassles," says Phil Boersma,
 "Don't quit the column!"

Traveling Mike Dorner hit Yucatan with his wife and visited XHGL 97.7. They found out that
 XERUY (AM) Merida plans an FM in two years, and reportedly another station has similar plans.
 Cleveland-area person William Falt sent me scurrying to my maps when he said WKHR 90.9 Bainbridge
 OH could be short spaced to WRUW 91.1 Cleveland if each station had to raise power to 100 watts mini-
 mum. It seems Ohio has two Bainbridges; one near Hillsboro-Waverly in southern Ohio, where my
 maps show it, and the other near Streetsboro-Cleveland. WKHR is apparently near Cleveland, with a
 mailing address in Chagrin Falls, and its frequency could possibly be 88.3, instead of 90.9. I'm check-
 ing. WJOK 107.5 Miami was temporarily off the air because of a lightning strike. GCC Communica-
 tions (same owners of WEFM Chicago) bought WTMI 93.1 Miami, but plan to maintain WTMI's classical
 music, "because it is Miami's only major classical station and has good ratings."

KKDJ 105.9 Fresno CA says they'll be on the air around December 1, with Dolby and little or no limiting. Format not divulged.

A long letter came from my Belgian correspondent, with news of changes in Europe. Very few of these concern specific stations, but some information of interest follows: "The French Broadcasting Co., Co., ORTF has ceased to exist, replaced by 'Radio France.' Local radio in France is gaining in importance, with many stations FM. All FM transmitters in Belgium are now stereo. In Holland during 1979 Hilversum Radio will no longer exist. All radio networks will carry the same 'Radio,' followed by 1, 2, 3, or 4. The format of the networks will be developed according to 'modern needs.'" Thus Radio 1: family radio, AM and VHF (FM); Radio 2: cultural AM; Radio 3: entertainment AM and VHF, Radio 4: [not legible] VHF. Satellite to home broadcasting is a possibility. "All the plans are ready by the EBU (European Broadcasting Union) but no one seems eager to start. For Belgium, this would mean reception of 38 TV and 224 FM programmes: Germany, West, Germany-East, Belgium, France, Luxembourg, England, Scandinavia, Holland, and Italy. One detail: you'll need a 1.8 meter antenna on the roof."

CKO3 London has had its studios closed down, and is a full satellite of CKO-1 Toronto. "This is not the first 'satellite' link in the network since the Edmonton CKO transmitter is powered by the Calgary station," says David Leibold. Nick Lombardi supplied some of the Atlanta network changes, and says "in view of the above, I wonder how accurate your 'extensive listing supplied by ABC' is." I'd say it was very extensive, but the list did not purport to include college stations, such as WREK, or stations having AP Audio or United Press Audio. Further, you might have stations who are network affiliates right there in Atlanta that you may not be aware of. Some stations carry only network commercials, but are still credited by their networks as "affiliates." Thus WVEE 103.3 could be in such a category. I talked to the manager of a CBS station in Pennsylvania, who said their FM is not an affiliate, but he said they do carry CBS news each day after midnight, so I said that does qualify them for a listing in the FM Atlas as a CBS station, affiliate or not.

Les Prus sent an Aug. 6, 1978, article from the Detroit Free-Press commenting on the many FM and AM station call letters changes there have been in the Detroit area. The latest change is WCAR-FM 92.3 becoming WTWR, or "Tower Radio," named after the station's new location in the Detroit Plaza hotel. Dr. Richard Wood, coming back from a summer in Europe, says language is no barrier among DXers. "Many DXers are fluent in English and even in Spanish, in Finland. . ."

WQON 100.1 Grayling MI plans to come on soon—studios virtually completed. And KCHU *90.9 Dallas hopes to be back on the air by April, 1979. KFMV 97.9 Eugene OR has been sold; expected to go to Rod O'Connor sent a picture of KICY 100.3 Nome's studio building and 50' FM tower. "Very limited range, though, for only 80 watts. While anchored offshore it came in quite weak, and we were just one mile out. Many of the houses in the area are higher than the whole tower!"

In Canada the CRTC is cracking down on CHUC 103.1 Cobourg, Ont. to show cause why its licence should not be revoked for failing to construct and start broadcasting. Requesters' names to be run next month.

(Paid advertisement)

Hear SCA the Easy Way!

FM SuperSnooper helps attain your legal right to receive

"secret" signals sent over the public airwaves via many FM stations.



This all-new FM SuperSnooper makes listening to special FM-SCA broadcasts easy for people without electronics knowledge. Unit plugs into earphone or "MPX" out jack on portable radios to detect closed-circuit music and talk programs sent over many FM stations, as listed in the FM Atlas. With adapter plug the unit can be used with stereo tuners and receivers having a 4-channel MPX, FM quad (composite) or oscilloscope jack. Certain sets may require connection directly inside at the output of the FM detector—a point that can easily be found by probing. Unit transfers readily from one radio to another.

Consists of an SCA adapter, audio amplifier with volume control and 8 cm speaker mounted in an attractive plastic case. Features high sensitivity, good fidelity and two integrated circuits, and is self-powered with a 9-volt battery. Includes an input cable with miniature plug for connecting to a radio's earphone jack. Ninety-day labor and parts (excepting batteries) warranty. Satisfaction guaranteed or money refunded.

"Thank God someone has not bowed to what I understand is FCC pressure to keep SCA off the market to the home consumer." T. W., Fort Myers FL.

"In regards to the politics of SCA, I feel as though the government is suppressing a very harmless thing. In fact, SCA has been an educational experience for both me and my wife." B. G., St. Louis MO.

\$25 WTEFA Members' Special Price postpaid
(\$36 list price). Order from Bruce F. Elving,
18 1/2 East Fifth Street; Duluth MN 55805.

\$2 extra for output jack of your choice. 110-volt model available. SASE for details.

"We know of no federal law [to] prohibit the manufacture and sale of equipment for receiving SCA." FCC, Washington, D.C.

SPECIAL REPORT

Thirty Years an FM DXer

By Bruce F. Elving

Long before FM radio became accepted as a medium for musical enjoyment, stereo and lack of static, I decided to try my luck at FM DXing. Being adequately warned when I first bought an FM radio with paper route earnings at the age of 13 in October, 1948, by the literature that accompanied the new Zenith table radio that, although FM stations are sometimes heard at great distances, do not expect to tune in other than your local stations. Choosing to defy these words, I did dial my radio until one night I managed to receive WMIN-FM 99.5 St. Paul MN. A whole winter went by with similar receptions from stations up to 300 km south of me—in the direction favored by the hillside location for which Duluth, Minnesota, where I began my DXing career, is noted.

In the spring—May 15, 1949, to be exact—my first skip, WJAX-FM 95.1 Jacksonville FL, was received. Not recognized as skip at the time, I kept tuning near that dial spot until later a weak signal from WWCF 94.9 Greenfield Township (Baraboo) WI was heard. This southern Wisconsin station would for many years remain as an indicator station to me when tropospheric conditions were building. By concentrating on WWCF and WTMJ-FM 93.3 Milwaukee, a super-powered station that was to leave the air in 1950 (and later come back on with lower power on 94.5), attention to improving my receiving set-up could be done. Not being a technical person, I worked on improving the line-cord placement of my receiver's antenna, later graduating to a turnstile (all-directional) FM antenna mounted on the roof of the house where I grew up. In 1952 I had graduated to an FM yagi, having ordered two five-element yagi JFD antennas from Lafayette Radio, an order that took months to deliver, probably because the antennas had to be specially made, demand for FM receiving gear being so low at the time. These antennas were double stacked and nonrotatable. I used this system for about four years, with lightning finally hitting it, destroying the twin-lead and some of the home appliances. Finally it was replaced with single-stacked yagi antennas, both horizontally and vertically polarized atop rotators. During the period 1954 to 1960 I was FM DX editor of the Newark News Radio Club, and in 1960 FM editor of "DXing Horizons," published by Bob Cooper.

Almost from the start I collected verifications from the skip stations I received, beginning with WJAX-FM, and invariably asking each station heard if this report from Duluth represents the most distance that they knew of at which their FM signal has been heard—a question that I continue to ask of all stations I receive, even stations less than 100 km away. In most cases, stations replying state that Duluth is the most distant point from which they have heard. I am well-known as a constitutional DXer, believing in following a set of rigid and inflexible rules that exist as a pre-condition to hearing and counting DX. Thus my log is devoid of "tentatives," and I refuse to count as new stations those that have changed frequency, call letters or city of license.

My log of stations has grown to 1450, with 1338 verified. Actually, it is not an impressive log at all, considering that I have added to it from one location for over 30 years, with each of those years accounting for new stations, despite the fact that for some of the time I was living away from "home." Yet, vacations provided an ample opportunity to make new loggings, and my antennas remained (and remain) in place.

I have antennas in place at my mother's Duluth house on the eastern hillside, at my own residence near downtown, and at my father-in-law's in suburban Hermantown (near Adolph). I DX with two receivers, so you can see that when moving from one DXing spot to another a certain amount of tuner or receiver moving must also be done. The biggest antennae are at my mother's, and the system where I live is barely adequate, enabling some excellent DX to come through, but hampered by less than the best (actually, junk) antennas to be used and considerable local station overload interference to be experienced. At my father-in-law's, local station interference is at a minimum, and the handicap of not being able to receive stations well to the north and west, because of being behind a hill at the in-town receiving locations, is eliminated. However, a receiving site in town, close to myriads of 100 kw FM and maximum power VHF TV signals does give the opportunity to test traps and receivers for interference suppressing qualities, even though subjecting the human organism to unknown deleterious effects from radiation—a subject that is receiving increasing popular and scientific scrutiny.

Despite 30 years' experience in FM DXing, there are gaping holes in what I have heard compared to what a seasoned DXer would expect I would have heard. For instance, very little of my new

station logging activity has included meteor shower and auroral DX, as a glance at the Statistics column will show. From Canada only the provinces of Manitoba, Ontario and Quebec have been heard; this contrasted with every state east of the Mississippi in the U. S., and the majority of the states in the west. Tropo does continue to be strong here, despite a proliferation of new stations in the area. Indeed, it is this very proliferation that has accounted for a major part of my new loggings—and, may I add, a welcome part of my loggings, for I am as interested in building totals in my log as I am in quality of loggings.

The above may seem strange for a DXer to say, but I lived through the lean period of 1949 through 1956 when established FM stations were leaving the air and deleting. Thus, when stations began to return to the air—a trend that has continued for 23 years—I was enormously pleased, because it meant not only new FM stations to receive by DXing, but new FM stations to listen to for programming, and an assurance of FM's continued viability. I have to this date encouraged broadcasters to take up FM, increase power, and find channels for allocation and application. A DXer should not be selfish and hope for the "good old days," with a wide-open 88 to 108 MHz band for DXing, but instead she or he should be on the lookout for new DX through the barriers of new educational and commercial stations and FM translators.

Since 1964 I have made tapes of most of my new receptions, and have combined the best of these into an "FM DX Demonstration Tape." Tape editing is fun, but very time-consuming, especially when you have over two-years' worth of unedited tape sitting around on several reels and cassettes awaiting editing and re-editing, so that only the significant remains and the rest can be bulk-erased, permitting new DX to be recorded on the same tapes. Such is the status of my tape work now.

While I look to the development of main-channel FM as a healthy thing, I see a bright future in subcarrier FM, or SCA. Here is a truly unexploited region for the development of creative, new programming services. In order for SCA to fully develop, however, I look for long legal battles with entrenched special interests who will fight to keep SCA away from the ordinary consumer. And I see myself in the center of this controversy, just as I doggedly refused to admit in 1948 that FM DX was not possible. If I can make any lasting contribution to my fellow man it will be in liberating SCA from its present bondage, and thus opening new channels of information, education and entertainment to the masses. SCA I look upon as superior to extending the AM broadcast band, opening up long-wave broadcasting in North America, resorting to cable radio, or translators for local station origination. It is an energy-efficient use of the spectrum, resulting in the need for creation of no new stations, and it is static and interference free, like FM itself is. It is as reliable a form of communication as your local FM station is. The only problems I see, outside the legal sphere, lie in the reluctance of many FM broadcasters to allow the development of a subcarrier, for fear that their main channel modulation and/or coverage will be reduced, and competition from non-music and non-talking forms of communications, such as teleprinter devices, for available SCA channels that could better be devoted to aural communications with the public.

I am confidently looking forward to another 30 years of FM DXing, even though my publication and interest in SCA has taken away some of the interest I had in going after DX for the sake of DX. And I hope to continue to add to my log from the Duluth, Minnesota, area where I began, even if I should at times take hiatus from the area. While I am probably no longer the leading FM DXer in the club from point of view of number of stations received at one location, give me time and I will hope to regain the lead from those who are unable or unwilling to DX from one area for 30 to 60 or more years! I do count it significant that I was named "Man of the Year" by the Association of North American Radio Clubs in 1973, and that I continue to enjoy support for my column in the World Wide TV-FM DX Association's digest, "FCC-FM."

We've long since passed the point where the "experts" no longer think of FM as having no DX possibilities—skip, tropo and meteor scatter are well-known, at least in certain circles. Yet, for personnel at many stations getting a report of reception at a farther-than-normal point, is still a novelty and a source of joy, resulting in interesting and informative letters of verification. Offsetting the trend toward more stations and restricted DX opportunities is improved receiver technology, plus more widespread use of FM antennas. Thus, the entire radio-listening segment of the stereo and hi-fi industries stands to become FM DXers. So what we have learned about DXing we can pass on to our children, our friends, and our neighbors. The hobby will surely grow—and we won't have to be individualists who are willing to "buck the crowd" to prove the point that FM DX is indeed possible. It will prove to be a worthwhile hobby in its own right, at a time when Americans are increasingly faced with the problems brought on by more and more leisure time.

FCCTV NEWS

John F. Combs
2485 Ivan Ct.
Orlando FL 32807

OCTOBER 1978

OCTOBER 1978

NEW STATIONS ON-AIR

KLTS-24- Shreveport LA 8-4-78 (PBS)
KWET-12+ Cheyenne OK 8-1-78 (PBS)
WCTE-22 Cookeville TN 8-16-78(PBS)
KCOS-7 El Paso TX 8-16-78(PBS)

CONSTRUCTION PERMITS GRANTED

Albany CA, Ch. 31-, 2360, 1190

EXCHANGE OF CPs GRANTED

WPFO-40+ Greensburg PA to Ch. 22, 5000,
920, location to Pittsburgh
WPCB-22 Pittsburgh PA to Ch. 40+, 1170,
980, location to Greensburg

CONSTRUCTION PERMIT CANCELLED

WMTU-30 Memphis TN (CBN)

APPLICATIONS FOR NEW STATIONS

Validosta GA, Ch. 44-, 559, 839
Marion IL, Ch. 27, 152, 529
Somerset KY, Ch. 16, 390, 413

CHANGES GRANTED IN OPERATING STATIONS

KTEH-54 San Jose CA to 661, 1920 (305.5,
-30), xmtr to Monument Peak, 10 mi. N.
of San Jose.

WIPB-49 Muncie IN to 142.2-kw (141)
KIVQ-3 Ottumwa IA to 84, 1973 (100,1082),
xmtr to 3.6 mi. N. of Knox City MO
(about 32 mi. S.E. of present site)

KLTY-10 Lafayette LA to 309-kw (302)
WPTT-28 Raleigh-Durham NC to 5000, 1305
(2483, 1040)

CHANGES IN CALL LETTERS

KMAU-12 Wailuku HI (ex-KHVI)
WPTT-28 Raleigh-Durham NC (ex-WRDU)

CHANGE IN LOCATION GRANTED

WSNL-67 Smithtown NY (was Patchogue)

PAY-TV REQUESTS

New 39 Miami FL

PAY-TV GRANTS

WSNL-67 Smithtown NY

NETWORK CHANGES

KVAL-13 Eugene OR adds CBS secondary
KEZI-9 Eugene OR no longer CBS secondary,
but still carries "a few select CBS
shows"

CHANGES IN ALLOCATION TABLE

Location	Add	Delete
Seaford DE	38, 64 ETV	38 ETV

TRANSLATOR LICENSES GRANTED

Nulato AK--K04JF
Greasewood AZ--K10KT
Essex area CA--K02IY
15 mi. valley CA--K03EL, K06IY
Henderson NV--K60AN
Montour Falls NY--W69AH
New York City NY--W60AI
Pine City NY--W66AF
Waverly NY--W62AJ
Reading PA--W51AC
Cookeville TN--W28AA
Greenville TN--W39AB
Logan UT--K61AT
Arapahoe/Fremont Co./Riverton WY--W03BR

TRANSLATOR CPs GRANTED

Clam Gulch AK, K39AA (KAKM-7), 10
Seward AK, K07PG (KAKM-7), 10
Shelter Cove CA, K08JM, K10KY (KIEM-3,
KVIQ-6), 1 each
Jack's Cabin area CO, K69BU (KTSC-8), 20
Dayton WV, K11OK, K13PD, K06JK (KCRL-4, KTVN-2,
KOLO-8), 10 each
Gallup NM, K63BD (KNME-5), 100
Andrews NC, W05AT (WBR-10), 1
Willowdale OR, K03EZ, K05CK (KOAC-7, KEZI-9), 1 ea.
Martinsburg PA, W65AL (WOPC-38), 100
Kimble Co. TX, K61BC, K63BC, K65BE (KENS-5,
KNOL-4, KSAT-12), 100 each

APPLICATION FOR NEW TRANSLATOR

EPNG Navajo Compressor Stn. AZ, Ch. 68 (KOB-4),
10

TRANSLATOR CHANGES GRANTED

(The following 6 xlters will change primary to
WXKI-21 from WNED-17):

W59AH Allentown/Bolivar Relay NY
W62AR Andover NY (also switch to Ch. 61)
W65AJ Angelica NY
W65AI Bolivar/Richburg NY
W62AS Friendship NY
W56AU Scioto/Wallsville NY

Redwood Falls MN, K58AS, K66AB, K68BJ switch
from Chs. 66, 80, 82, resp.

Silver Springs NV, K130K switch to Ch. 12
Ft. Wingate NM, K57AL, K72CN, K00CA change
community to Thoreau; 72, 80 to Chs. 55, 59
Willowdale OR, K03DB switch to Ch. 11, stn.
change to KVAL-13

Tropic UT, K82BT change to Ch. 55
Beverly/Royal City WA, K09EF change to
Beverly/Vantage; change stn to KVEW-42
(The following translators are upping power
to 10-w.):

K05DZ, North Arm of Indian Valley/Quincy CA
K11CI, Bear Creek Valley, etc. MT
K12AC, Burke/Gregory SD

K09MP, K13NV, Curlew/Malo WA

TRANSLATOR CHANGES REQUESTED

Kayenta AZ, K10EO wants 10-w
Navajo Compressor Stn. AZ, K74AV, K78CX
wants 10-w and switch to Chs. 64 & 66
Coldstrip MT, K12EN, K10EC wants 10-w and
switch to Chs. 13 & 11
Chadron, etc. NE, K06JC, requests change of
primary station to KRNE-12

STATE OF THE INDUSTRY

(Apologies--I was unable to obtain the
current figures due to time limitations.
They should appear in November's
column--jfc)

NETWORK CONFUSION. Nowadays, when tuning in an NBC affiliate, one can't be certain whether he'll see NBC, CBS, or even PBS! On August 12, August 31, and September 4, some or all NBC stations accidentally carried from 15 seconds to 3 minutes or more of the CBS feed. A chat with Ken Smith, program director at WESH-2, was somewhat enlightening. He says that such "flubs" have been fairly commonplace as of late, and that even the PBS feed has popped in! Ken's theory for the errors has to do with the fact that the Southeastern affiliates are often fed a regional commercial or promotional announcement via an A T & T switching facility in Atlanta. A certain employee there (who shall remain nameless, hi) seems to have the unfortunate habit of throwing the wrong switch at the wrong time! However, not all of the mishaps I have viewed personally (on the three dates mentioned above) occurred during a commercial break, so there may be a further explanation. At any rate, the DXer, as always, bears the brunt of the confusion. Perhaps such "goofs" are the explanation for many "strange" unIDs of the past!

NOTICIAS DE LA REPUBLICA DOMINICANA. Richard Clark reports some changes in the Dominican TV scene. A new E-skip target will be HIJB-2 "Tele-Antillas" in Santo Domingo, with a repeater on Ch. 13 in Santiago. These stations were scheduled to go on the air in September. Also, the Ch. 7 and Ch. 11 stations of HIN (Rahintel) have been moved to Cayacas and El Mogote from Santo Domingo and Santo Cerro (Clark's QTH), respectively. It is not known whether this constitutes a change in transmitter location, or merely city-of-license. **CUBAN CABLE!** An article in the Miami Herald reveals that the CATV in Key West FL now carries the Cuban ICR network from Ch. 9 in Matanzas. Programming includes Soviet and Polish programming (dubbed in SS, of course), as well as "pirated" U.S. movies. The FCC gave "routine" approval of the move, saying, "Our general rule is that they the CATV operators can carry any foreign language station unless somebody objects." Thus far, no one has objected, including the many Cubans residing in Key West.

CBN EXPANDS SATELLITE SERVICE: The Christian Broadcasting Network has added a second satellite earth dish. Phil Francis, director of CBN's technical and satellite services, says the new dish will be used via WESTAR for special feeds, news, telethons, and other programming, as well as a back-up for the original dish, locked in to SATCOM 1 and carrying the 24-hour programming. CBN's owned & operated stations in Atlanta, Boston, and Dallas are scheduled to have receive-only earth stations by October 1, making a fully parallel, true "network" possible. Non-owned stations carrying some CBS programming that have earth stations (such as KBMA-41) also have full access to both satellite feeds.

MISCELLANY: In Chicago, Channel 60, formerly occupied by WKLT, Aurora, is being sought for a fully Spanish station by two groups, one of which is the Spanish International Network (SIN). Both applications include the desire to transmit from the Sears tower—a request that will likely be denied.....The Full Gospel Businessmen's Fellowship International (FGBFMI) is going through with plans to put as many as 2500 PTL Network translators on the air; however, no formal application has yet been made to the FCC, though they expect to in the near future.....WTFDA member Robert Goodman attended the Chicago hearings on the Communications Act of 1978. He will try to obtain a copy of the bill, so watch this column as well as Bruce's for more information.

CONTRIBUTORS THIS MONTH Frank Aden, Jr., Newport OR; Richard Clark, Santo Cerro, La Vega, Dominican Republic; Robert Goodman, Cicero IL; Ken Simon, West Palm Beach FL; and myself. I hope to have many more for the November column! Good DX to all.....73, JOHN

Announcing — — —

WIBZ 99 FM



**FM 99
ROCK'N STEREO**

Morrie S. Goldman, 5815 North Christiana Avenue, Chicago, Illinois 60659

WTFDA NEWSWIRE is a new experimental column for the VUD. Your reaction will determine its final form and whether it will continue at all. For the present we expect that NEWSWIRE will appear bimonthly and will cover news of interest to TV, FM and PSB DXers. We will include short capsules on such subjects as new products, FCC actions relating to equipment propagation, DXing tips and more. Reader contributions of news items are very much needed! Well, here's our first effort. .

1979 VCR FEATURES As predicted in the March VUD, new video cassette recorders (VCRs) are now being introduced with many added features. One example is the new programmable style VHS recorder being offered by RCA. At a price of \$1275, the VCT400 can be programmed to record up to four periods of TV air time (on mixed or same channels) up to seven days in advance. Magnavox has also announced a similar unit. JVC has introduced a new VCR (Model HR-3600 Vhdstar) with slow motion, double speed, still frame and other features, but with a 2 hour maximum play time. JVC is expected to have a 3 hour tape available soon. While prices are rising on the newest "second generation" VCRs, older basic models are being discounted by as much as 30%.

BEARCAT BARGAINS . If you've been waiting for an excuse to buy a Bearcat 210 VHF-JHF scanner, now may be the time to buy. Electra is offering a \$20 rebate on 210's purchased between October 1 and December 31, 1978. Get complete details from your dealer.

UHF TV TUNERS TO IMPROVE... The FCC has finally ordered TV set manufacturers to improve the noise figure of their UHF tuners. The maximum allowable noise figure is now an incredibly poor 18dB. By October 1, 1979 new sets must be at or below 14dB and down to 12dB by October 1, 1982. Even that figure is poor by DX standards, but it's a step in the right direction. Along those same lines, Siemens AG (a European manufacturer) is now offering a MOS tetrode transistor for UHF tuners with a nf of 2.8dB at 800 Mhz. Gain of the new BF960 is 18dB. It would be nice to see a US manufacturer use it in a JHF tuner for much higher performance than the FCC demands.

TRANSLOCATORS TO BECOME MINI-TV STATIONS? The FCC has begun a major inquiry to decide whether TV translators should be allowed to originate programming. At present a translator may only retransmit the programming of an existing station. Slight power increases may also be forthcoming.

UNDERSTANDING FM AUTO RADIO SPECS... Many consumer electronics companies are looking to "auto sound" as the boom to replace CB. With more attention being paid to this market, we are finally starting to see manufacturers list the specs of auto radios. In fact, CONSUMERS GUIDE now has a CAR STEREO EQUIPMENT BUYING GUIDE showing their own test results for many auto sound products (available for \$1.95 at many news stands and book stores). When comparing the sensitivity of receivers, note that when the old JHF system is used (sensitivity listed in microvolts rather than dBf), it is referenced to 75 ohms and not the 300 ohms used in home receivers. What this means is that an auto radio with a 2µV JHF sensitivity is actually the same as a home receiver with a 4µV sensitivity. When you compare specs, make sure that you compare apples with apples!

YOUR NEWS IS NEEDED.. If you spot an article or news item in a local paper that would be of interest to WTFDAers, you are invited to forward it to this editor for coverage. Items relating to FCC station news should still be sent to the proper FCC news editor.

73, Morrie

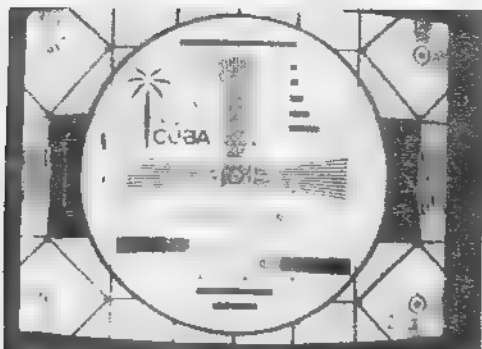


kezi-tv
has what you're looking for...

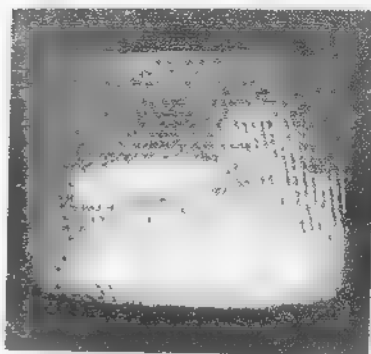
PHOTO NEWS

Jim Alexander
4 Brook Court
Marsippany, NJ 07054

October, 1978



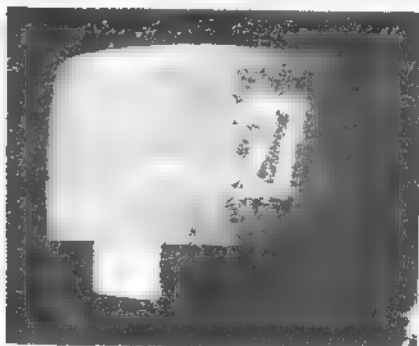
ICR2- 5 Santa Clara, Cuba
1,410 mile E-skip (Gaines)



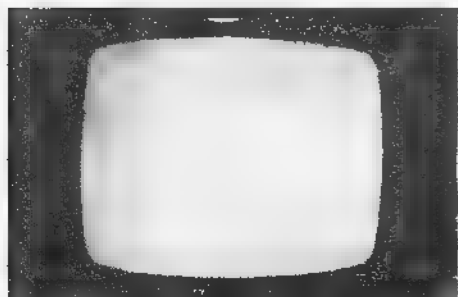
KUSD- 2 Vermillion, SD
E-skip (Pizzi)



WJWJ-16 Beaufort, SC
290 mile tropo (Combs)



WRLU-27 Roanoke, VA (now off)
405 mile tropo (Gould)



WKYC- 3 Cleveland, OH
E-skip (Simon)

Be sure to take a good look at Paul Gaines' photo of the ICR "Palm Tree" test pattern. Of all the photos of that Cuban network's test pattern your editor has ever seen, this month's is the best!

My thanks to this month's contributors:

Paul Gaines, Detroit MI

Jim Pizzi, Orcutt CA

John Combs, Orlando FL

Jim Gould, Kokomo IN

Ken Simon, West Palm Beach FL

73 and good DX, *Jim*

IN SEARCH OF

Donald A. Blevins
407 Langley Road
Baltimore, MD 21221
301-574-2714

This month's feature will bring to light the frequencies utilized by the highway administration crews who's responsibility is the maintenance of the highways and byways criss-crossing these great states. Keep in mind this information is only a reflection of the research conducted at the Federal Communications Commission's Headquarters in Washington, DC. It will be up to you to find out just how these frequencies are used. Also note that these frequencies experience their greatest use during winter storms, as the salt trucks and snow plows get to work to clear the way!

Alabama	151.055			
Alaska	47.04	47.16		
Arizona	151.01	156.225	156.12	156.235
Arkansas	156.045	156.06	151.07	151.085
California	47.16	73.30	47.10	
Colorado	47.02			
Connecticut	156.12			
Delaware	47.22	47.34		
Washington, DC	37.94	37.98	453.45	
Florida	47.14	47.26		
Georgia	47.32	47.34	47.40	47.30
Guam	151.025			
Hawaii	156.135			
Idaho	453.15	453.80		
Illinois	47.14	47.30	47.34	47.38
Indiana	47.28	47.36		
Iowa	159.18	156.06	156.105	
Kansas	47.18	47.06		
Kentucky	47.14	47.22		
Louisiana	47.32	47.40	47.28	47.30
Maine	156.045	161.31		
Maryland	47.32	47.40	47.14	47.20 151.04
Minnesota	151.115	151.07	156.075	
Mississippi	47.14	47.26	33.10	156.225
Missouri	151.04	156.045	156.135	
Montana	47.04	47.16		
Nebraska	47.20	47.08		
Nevada	47.12	47.24	157.41	
New Hampshire	37.94			
New Jersey	156.12	47.14	47.26	
New Mexico	151.085	151.13		
New York	47.22	47.32	47.34	47.40
North Carolina	47.26	47.32	47.38	
North Dakota	452.80	452.85	151.04	151.065 151.085 151.10
Ohio	159.165			
Oklahoma	151.115	151.025	156.06	
Oregon	47.18	47.06	47.04	47.16
Pennsylvania	47.30	47.28	47.14	
Puerto Rico	159.18	156.045		
Rhode Island	151.115	455.95	37.96	159.165
South Dakota	159.00	37.96		
Tennessee	156.12	47.28	47.36	
Texas	47.02	47.06	47.08	47.18
Utah	151.115	47.12		
Vermont	47.22	47.34	75.70	453.85
Virginia	47.22	47.34	47.28	
Washington	47.02	47.10	47.20	47.24
West Virginia	47.28	47.36		

The original format of this feature has been changed with the concept in mind that readers will hear from other areas regarding their own areas. My thoughts on this area are that nobody can tell more about a region than someone living there. Please also note that I have omitted three states because I could not locate files on Massachusetts, South Carolina and Wisconsin. Many thanks to my reporters, for it this input that makes IN SEARCH OF KFB a success. Also note that pager lists are still available free for a call.

Bill Phillipson
18954 Pendergast Ave.
Cupertino, CA 95014

Santa Clara County Parks 151.145

Santa Clara County Animal Control 453.925

Bay Area Rapid Transit Police 453.1375

Golden Gate Bridge Police 482.9375

San Jose Water Works 158.22

San Jose Mercury News 173.225

Pacific Railroad 161.55 - 160.38

Security 161.4

Bay Area Rapid Transit 160.86

Pacific Gas & Electric
Cupertino 153.68 KFB 297 Electric
Newark 153.68 KMF 227 Electric
Matcalf 153.68 KDW 458 Electric
San Jose 48.28 KDL 489 Gas

Lockheed Aircraft:
153.32 KBZ 528 Security
462.425 Trucks

California Civil Air Patrol 148.15

Automobile Association of America:

150.965 San Jose KMF 828
150.92 Alameda County KMF 607

De Anza College:
151.955 Cupertino KJZ 309

Taxi.
Sunnyvale 152.39 Sunnyvale Cab
Redwood 152.39 Redwood Cab

Paul Petosky
Box 537
Minising, MI 49802
reports:

A new NOAA weather radio
will go on the air on the
air in Houghton, MI 162.4
as per Marvin Shimp of the
National Weather Service
in Marquette, MI

Gary Mullis
8041 North Boundary Road
Baltimore, MD 21221
reports:

Bethlehem Steel Company
Police Department
Sparrows Point 153.32

Thomas J. Yingling, Jr.
221 Pinewood Road
Baltimore, MD 21222
reports:

Washington Gas Light Company
47.90-48.50-153.68-451.20
451.175

Nancy Dorman
8113 Spaulding Circle
Beverly, MD 21144
reports:

Washington Metro Transit
Police 161.385

David Wilson
1473 Waterloo Road
Burlington, ON 44260
reports:

Along with 42.06:
Ontario Provincial Police
also use 42.22 mhz

John Sevier
449 East 28th Street
Baltimore, MD 21218
reports:

Delmarva Power & Light
37.62 37.76 48.30 48.24



VHF UTILITY DX

Pat Dyer
5315 Silvertip Drive
San Antonio, TX 78228
Deadline: 5th of month

OCTOBER 1978

Late 50-MHz news - Aug 24 0900 Z, Hilo, HI to Australia (TE); Sep 2 2150 Z Ohio heard Argentina (LU3EX) (Es-P2); Gibraltar beacon (ZB2VHF) will soon be on 50.035 (from 50.003); French beacon off due to antenna and other problems, will re-locate; Korea beacon (HL9WI) on 50.085

My loggings. Hallicrafters SX-62 with 30' wire @ 12' nw-se run; Swan 250, Ameco navistor preamp, 5-el horiz. Cushcraft yagi @ 23' w/rotor; All F2 (bs-backscatter) with daily peak MUF noted; GMT used

8-7	1830	37.62	18	2130	42.03	31	1735	35.28
8	2359	35's bs		2335	43.58 bs		1950	35.62 bs
9	2028	40.07	19	1915	41.63	2-1	1820	35.62 bs
10	1855	30.30	21	2100	35's bs		2120	35.28
	2210	35's bs	22	2015	mid-36'	2	2335	49.63
11	2155	49.58	23	2100	mid-36	3	2335	mid-36
12	1940	35.28	25	1815	32.96			OK City bs
13	2100	hi-35	26	2030	38.55			v. of Chile
14	1910	36's	27	2100	low-31	4	2136	49.85
15	1935	37.000			35's bs	5	2015	hi-30 US
16	2110	37.11	28	1750	37.58		2210	49.92
17	0110	mid-31 US	29	1805	low-36			
	2115	44.50	30	2100	38.85			

OK City 35.58 voice pager; Voice of Chile 30.36 (apx) harmonic

also noted 50-MHz 2Es on Sep 2 (2000-2200) to Puerto Rico, Bermuda, and Venezuela. rare at this time of year after a poor August of Es; -several frequencies just below 6-r (e.g., 49.58/.63/.68/.73/.78) noted are believed to be from Colombia/Bolivia/Argentina in on P2

Large aurora caused by the largest magnetic storm of the year on Aug 27-28 was reported visible as far south as Santa Fe, NM

Solar flux, after dropping below 100 for the first time since January, rose within a week to the 170-180 range. That represents the highest flux in a September since 1960.

Swiss sunspot predictions have the smoothed number for December at 117. That's higher than the peak smoothed value for Cycle 20.

Another recent prediction on Cycle 21 has a peak in late 1979 of just over 200 (sunspot number), with a 66% chance it will fall within the 160 to 250 range. That's getting into the size of the record Cycle 19.

With all this the fall P2 season should easily be the most active since the 1968-1970 period. This will be maybe the best chance to catch the BEC TV signals before they move them from low VHF (see p. 10 Aug VUD). With the right conditions the transcontinental MUF might get to the 50-54 MHz region (or more).

I have available an abstract of Texas stations in the 30-50 MHz band from the Feb 1971 (and update Aug 1972) ITU list. It runs some 12 pages. A lot of the police/fire can be found elsewhere, but a lot of the business listings might not be so easily located. \$2 to cover Xerox and mailing costs. (in ascending frequencies then alphabetically by town) Can be very useful in identifying all those KK-### calls in Texas.

73, Pat WA5IYX

MIKE DALTON TURES IN HIS DOUBLE SKIP PREDICTION

August turned out to be another lackluster month for dx, with one dxer calling it the worst ever. However, looking back to mid June, a double hop logging, stretching from Florida to California, was made by Mike Dalton, fulfilling his prediction made in the August column. In light of a poor skip season it is interesting to note how exceptionally wide the skip distances have been, ranging from 450 to 2255 miles.

In other modes, only a handful of MS loggings relating to the August Perseids were reported while tropes were up to a certain extent with the heat stretching from West Virginia to Missouri.

Mike Dalton, 1840 Drew St., Clearwater, FL 33515, June 15 to August 12, 1978

Equipment used: stack of Finco FM-4C, paired vertically for 12 elements in the horizontal plane, fed with baluns & coax to a Dalton Audio modified and stabilized SSB MF 8 digital tuner. Set-up similar to this at home (about one air mile away) but have one antenna. Taped.

June had about 4 reasonable days for Es activity here. July had 3 short openings and August to the 20th proved to be a big nothing. This is the worst DX season I have gone thru. We can't ever get a good tr shot into New Orleans now-a-days, only hearing fringe area of our normal reception area. I have also noted a decrease in the meteor activity which is somewhat unusual. It is just plain dead. If something doesn't happen soon, I'm going to have to go back to photography as a hobby!

I really worked for the few stations I added as I practically threw people out of the store to concentrate on the DX. This summer has provided some very unusual DX or lack of DX. The weather patterns for Florida have been unusual too, with massive amounts of hot, stagnant air over this area.

My buddy, Earl Lyons and I have been grumbling about the bad conditions. We have watched the band very closely, but to no avail. There has been some minor tropo activity which I haven't bothered to report; during some of these openings I haven't bothered to listen because I knew it would be a waste of time as signal levels were low and it promised to bring in just the usual raft of fringe receptions from AL, GA, FL, MS, LA.

6/12
tr 1012 88.1 WMPR SC Sumter
1016 92.9 unid WDCS, Dillon, S??, EZ
1030 92.9 WGOV VA Valdosta, nx, ads

6/15
Es 1050 88.9 KETR TX Commerce, nx, ID, wx
1053 80.9 KACV TX Amarillo, ads, nx
1058 90.1 KCSG OK Edmond, nx, ID, MOR
1105 91.7 KQTH OK Stillwater, \$

Tr receptions from northern FL & GA
Es 1119 92.9 KBEZ OK Tulsa
1125 90.7 KRCG MO Joplin, gospel
1128 90.7 KWNH MO St. Louis

6/19
Es 1032 92.5 WJG NY Rochester, ID/Magic92"
1038 92.5 WPAH OH Alliance, nx, ID

tr 92.5 WJAP FL Panama City
Es 1052 92.1 WLEW MI Bad Axe, EZ, ID
1058 88.7 WJOM OH Windsor, ID
1055 88.3 WESD ID Prookings, nx, rk, ID
1045 8.3 WIAA MI Interlocken
1041 90.5 KKVY MO Maryville??, big band
1105 92.1 WLEW MI Bad Axe, ID, wx, nx
1105 92.1 unid Detroit area, nx, police
1106 92.3 KOEL IA Oelwiler, cw
1115 92.5 WJCE OH Toledo, rk, ID
1145 93.5 WSGM VA Staunton, ID, ads, nx
1148 93.5 WCPA PA Clearfield, ID, E?, nx

tr 1154 93.7 WPU FL Ocala
Es 1158 93.7 WPCJ OH Miamisburg, REL
1207 94.3 WMSA OH Marietta, nx, OH Valley
1208 94.5 WSEZ PA Harrisburg, rk, ID
1210 94.3 WJIZ OH Marietta, ads, ID
" 94.3 WJLK NJ Asbury Park, wx, ID
94.3 WTCO MD Salisbury, MD wx
1213 94.7 WJUC MI Detroit, Detroit wx
94.7 WYTR ND Grand Forks, (tent.)

6/19
Es 1105 92.3 unid "92 I", rk
1125 92.9 WJAI OK Baton, wx, "WJ-93", EZ
1135 93.1 WDRQ MI Detroit, rk, ID
1218 94.7 WJMD MD Bethesda, EZ, ads
1227 95.1 WJVL VA Parkersburg, rk, ID
1235 95.1 WJWZ MS Natchez, rk, ID
above 96 all FL....
2Es 1306 90.1 KCEH CA San Luis Obispo, jz, 2255 mi.
" 90.1 KSCS OK Edmond, ID, nx
1316 90.3 KQSM NM Albuquerque, cl, ID 1500
1319 90.1 KQTH CA San Luis Obispo, jz
(in with very weak mono through other fading stations)

tr 1320 90.7 WJGO FL Panama City
Es 1355 90.1 KQSM NM Albuquerque
1407 band just died completely

The above DX started out with very ho hum receptions, although I was glad to get new stations. Toward the end of opening we snagged two far ones. We have received confirmation for the San Luis Obispo. This brings up an interesting observation. For the last years during open years we get California (1974-76-78). I think this means the weak ones come in yearly; I've only been lucky to hear them every other year! I suppose it is possible that there is some type of two year cyclical phenomenon, but I think this points up that there is some far out DX possible more often than we are normally aware. I'm still in a frazzle looking for the new states ME, NY, OR, WA, NV, ID. Where are they? I'd like to add some new states. ... By the way, the CA catch is about the only good thing so far this season here but poor reception at that-not \$ as in '76.

Dalton, cont.

6/20

tr 1010 92.5 WYNN FL Key West, ID, ads, EZ
(rarely received)

Es 1051 90.1 WMBI IL Chicago, nx
 1105 99.9 KATF MN Albert Lea, (tent), EZ
 1130 96.7 WPHN IL Norm 1, x, ID
 1132 91.5 WMT ID Cedar Rapids
 1140 96.3 KEAY IO Clinton, ID, wx, REL
 1150 95.9 KILR IO Estherville, rk, ID
 1202 95.3 KCFI MT Albert Lea, rk, town
 1200 95.3 CKDS ON Hamilton, wx, rk,
 1204 95.1 KNOA MN Northampton, wx, nx
 1207 94.7 WFTC MI Birmingham Magic 95"
 1215 94.5 KFEZ IO Fort Dodge, ID
 1218 94.1 MTN WI Watertown, EZ, ID
 1228 92.9 KPMO IO Dubuque, D93, ID
 1233 92.3 KOUT IO Olwein, cw, ID
 1235 91.7 KSMI IO ESPT, (tent)
 1300 96.4 KNCM SD Sioux Falls, REL, ID
 (Tr level apparent again around state)

6/24

Es 1005 90.1 WUSE NY Stonybrook, ID
 1008 92.3 WPRO RI Providence, "92 Pro"
 1010 92.5 WNAV MS Haverhill, rk
 1017 92.5 WJTX CT Waterbury, EZ
 1032 92.9 WPHC ME Bangor, rk, wx, ID
 1039 93.1 WMAX ME Portland, "Magic", rk
 1042 94.3 WDEE ME Biddeford, wx, ads
 1050 95.9 WXXA ME Brunswick, cw, ID, wx
 1058 97.1 WBCW ME Bangor cw, ID, ABC
 1102 97.1 WMI MI Detroit, FM97, nx, ID
 1108 101.3 WJUE MT Sault St. Marie, rk
 1118 100.9 WJYD CT New London, ads, ID
 100.9 WLOB ME Westbrook, rk
 1119 101.7 WLYN MA Lynn, for. lan.
 tr 1123 102.1 WPAT GA Savannah
 Es 1125 88.9 WERS MA Boston, rk
 tr 1129 97.3 WJLM GA Savannah, 97 rock
 Es 1134 89.3 WHRT NY Schenectady, (tent)
 1134 88.3 WIAA MI Interlochen (tent)
 1135 88.9 WERS MA Boston, rk

Faded out to nothingness, Tr still in but not to new area—back to work! After the morning opening, I thought we would be reversed for the day but a very unusual opening occurred. From the north the opening reversed direction and a sporadic E opening of unusual intensity opened to Mexico City (we hear by Tr often also by weaker Es at times). This was a super opening and I logged almost all stations in the Mexico City area. The opening was very intense but over a very limited region near Mexico and surroundings. Because of the conditions, I took the liberty to make detailed notes for Bruce's atlas of formats, etc.—explained at end.

6/24

Es 1415 88.0 XPM DF Mexico City, \$LRS, 2½ p
 1429 89.3 XHNP Puebla Pue., 1
 \$, ELS "Estereo Mundo"
 1420 97.7 XERC-FM, Mexico City.
 \$, 1½, RS, "Radio Heeds"
 (all following from Mexico City)

1423 99.3 XHCFE, SES "Musica Felice"
 1430 100.1 XHCL, RS, "Estereo Cient", M
 1435 101.7 XEX-FM, LS
 1435 100.9 XBOY, LS "Nuclear Radio, M
 1440 104.9 XJEST LS, M, ½
 1442 105.7 XHOF, ELS (MOR EZ)
 106.5 X'DFM-no reception, off air??
 1443 96.9 XEW-FM, LS, (Latin rock)
 1445 96.1 XEUN-FM, E (MOR)
 1445 95.3 XHSH, LS
 1447 93.7 XEIP-FM, LS, "Radio Jova"
 1449 92.9 XEQ-FM, LS "Radio Felicitate"
 mono broadcast
 1451 92.1 XHFO, AL, rk, mono broadcast
 1453 90.5 XEDV-FM, ALS (MOR/rock), M
 1456 89.3 XHNF, EL Tiga del Puebla
 Estereo Mundo, Universal Music
 1458 88.9 XFM, LRS, (MOR), \$, ½
 1458 92.5 XHSRC NL Monterrey, ALS, \$
 1500 90.1 XHXL NL Monterrey, R, M, 1+
 91.1 JFC-FM Coopers's Hill, Jamaica
 RM, ml, ed, English
 1543 90.5 RJR Spur Tree, Jamaica,
 race results
 1625 91.3 XHPC Mexico City, R, new mo's
 1628 92.5 XHSRO Monterrey, NL, ALS, ", nx
 1638 95.1 XH H Irapuato, GTC, HLS, \$, 1p
 1640 96.1 XEUN-FM Mexico City, S, (MOR)
 Fade out and time to go home for supper..

LEGEND FOR ABOVE:

A American songs
 S anno. in Spanish
 R American rock
 L Latin songs
 E easy songs/inst.
 M mono, ½ stereo
 MOR- probably mainly
 inst. & no vocals

numbers are signal meter readings

P=peak reading

6/27

Tr 1000 88.9 WERY SC Rock Hill, NC ed. net
 1012 90.1 WTSU AL Troy, EL
 1028 89.0 carrier, no mod.; dis-
 appeared, ?? could this be new station in
 Tampa?

6/29

Ms 0801 90.9 NCHM Chitza, Panama, \$, ½
 (This is the only Spanish station known on
 this frequency.)

6/30

Es 0940 92.1 KRLJ CO La Junta, nx, ads
 0938 92.1 KULU CA Madera, nx, floods
 1000 92.9 KSPZ CO Colorado Springs, ID, nx
 99.0 KLRN TX Wichita Falls, nx, ads
 0838 93.7 KCFM MO St. Louis, FM 94", rk
 0845 93.1 KRLU MN New Ulm, "Rogers Farm
 Radio Net", country nx, towns, ads, ID
 0858 100.3 KATT OK Oklahoma City, rk, ID
 0845 93.1 MDRQ MI Detroit, rk
 0923 94.1 KAND AR Rogers, rk, "K94", ads
 0927 94.1 KCKN KS Kansas City, "Country 94"
 0931 90.9 KUNI ID Cedar Falls, wx, ID
 1010 96.1 XHOR San Luis Potosi, SLP, MX
 1030 96.1 KATM TX San Antonio, REL, ID
 1050 96.3 KSCS TX Fort Worth, "Silver
 Country Stereo", ads
 1052 96.5 KAUM TX Houston, ads
 1100 96.7 KGTN TX Georgetown, mono, ID, REL
 1105 100.1 WJBD IL Salem, ads, nx
 100.1 KTFM OK Bartlesville, "FM-100", t
 1107 100.1 unid Hyde Park Lake, acs, MOR
 1115 100.5 KATT OK Oklahoma City, rk, ID
 1110 100.2 KZZY "X San Antonio, "Z-100", rk
 1123 101.9 KXTX TX San Antonio, EZ
 1119 101.9 KDKK CO Colorado Springs, (tent)
 1130 101.9 KVAS TX Amarillo, REL, ID
 1123 101.7 unid mentioned Highland Park,
 Arcadia, US #17, country, grain, \$
 1140 104.3 KVBG KS Great Bend, "FM 104",
 ID, MTR, wx, "Music for the two of us."
 1210 96.9 KRID OK Enid, EZ, "FM 97", ID
 1206 97.7 KATN ON St. Catherine, ID
 1212 96.1 KTFM NE Omaha, "\$ 96", rk, ID
 1228 95.9 KKKL MO Monett, ads
 1230 95.9 unid Kansas City market reports

cont.

FM96
KRAV

6/30

Es 1234 95.9 KDFL MC Fairbault, wx
 1236 95.1 KRVN OK North Bay, Farm mx
 1240 94.7 KSTS MC Springfield, ads, TX
 1242 94.7 KSTH MO St. Louis, jx
 1245 94.3 KJLL IL Chillicothe, "FM 04"
 1252 94.3 KVD- IO Sioux Center, EZ
 1255 94.5 KSTZ IO Fort Dodge, LZ, ID
 1258 94.5 KSF MN St. Paul, "KS-95", rk
 1307 94.3 KTVN MN "Mondak", wx, ID
 1316 93.7 KAYL MO St. Paul, ads,
 1318 93.7 KQIM IO Carroll, rk
 1310 93.5 KRMG MN Benson, swar shop, mono
 1326 93.1 KRAY OK Barrie, AZ, L
 1328 93.1 KZYK OH Cleveland, SS, ads
 1332 92.9 KQRC MO Wentz, wx, ID, ads
 1335 92.9 KELA MO Sioux Falls, EZ, LZ
 1333 92.7 KLG- IO Algona
 1337 90.1 KDI IO Ames, mx
 1340 92.1 KTC- IO Fort Dodge, REL, mono
 1347 100.1 KSHL W Marshall, CA, ID
 1351 99.9 KVIS MT Albert Lea, rk, (tent)
 1355 99.9 KGOR NE Omaha rk
 1355 100.1 KELE MO Aurora, ow, ads
 1400 101.9 WDEY WI Wausau, EZ, ads
 1400 101.9 KVAS TX Amarillo, REL
 1412 105.3 KPCA OK Kitchener, EZ, ads
 tr 1414 105.7 JR IL Troy
 1426 107.3 KGOO GA Columbus, ads

Band died--for Es. I didn't log some of the
 tr receptions made (long as it is); however,
 Tr level seemed high through Es opening
 and allowed us to get no. one in GA.

7/3

tr-as suspected from weather pattern

1400 92.5 WFTN FL Key West, ID, EZ, ads
 no sign of Jamaica, Cuba

7/7

Es 1007 88.5 KUMR MO Rolla, (tent)
 1010 90.1 KDI IO Ames
 1008 88.7 KJL IL Edwardsville, ax, tent
 1009 88.7 WERN WI Madison, (tent)
 1050 90.1 KSOS OK Edmond, ID, W R
 1045 90.1 KDI IO Ames, (tent)

7/10

Es 1050 89.0 Radio Mirador, Dominican Re-
 public, Spanish, MCR
 1119 88.6 Radio Mirador Estero,
 Dominican Republic, Spanish songs, ID

There were two good things that happened this summer. First there was the California reception. There was also the opening into Mexico which clarified music formats for my log and gave me a chance to hear a few new Mexican stations as well as adding a new political unit. Some of the stations were not new, but the reception mode was new--Es. There was the 90.9 Spanish KQRM via Ms which provided me with a new mode for that station and only my seventh known station via Ms. I always seem to hear very little via Ms and this is very frustrating! I was really enthusiastic about seeing all the SFM openings into ID, OR, MT, etc. This gives me hope I will be able to link into one of those to get some new far out states via 2Es. The state of Delaware has still escaped me, also Wyoming; I see from the log there are few stations there, and many are under some of my locals. Oh, well.... maybe someday.

7/11

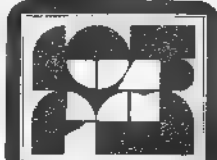
Es 1110 90.3 WGL IN Fort Jayne, REL
 1113 90.9 WJLL IL Urbana, (tent), strong
 1115 92.1 unid MT North Bullus??, rk, mono
 1119 92.1 KQOS MO Bartler, ads
 1124 92.1 KETZ IL Charleston, ax, rk
 1140 92.0 KSID TX Wichita Falls, ID
 1200 92.9 KSVF MT Artesia, EZ, ID
 Band faces out to tr locally until 10 min-
 utes later.
 1215 93.9 KTLN TX El Paso, rk, ID, "on Pa"
 then faded out for good
 7/12 1215 90.3 WFTN WI Wausau, cl mx
 Es 1205 88.3 KQRC IO Cedar Rapids, wx, mx, M
 1207 88.3 KJL NJ Menomonic, wx
 1208 8.9 KLSN VT La Crosse
 121 84.5 KJL NJ Cedar Falls, cl, FPR
 1213 89.9 KJSA WI Brule, cl mx
 1215 90.3 KJL IO Sioux City, talk show
 1215 90.3 KJL NJ La Crosse, M net
 1215 91.7 KJUI IO Iowa City
 1221 92.3 KQRC IO Clive, farm prices
 1233 92.7 KJUX VT Wausau, rk
 1236 91.1 KJUN MN St. Paul
 1250 94.5 KSTP MN St. Paul, "KS-95", ads
 tr 1254 96.3 KJIZ G Albany, band faded out...
 This was a short one--didn't get a chance to
 tune up too high due to slow ID process at end
 of band.

7/25

Es 1200 90.1 KJUI IL Chicago, ID, REL
 1443 91.7 KJUI IO Iowa City, cl mx
 1500 92.1 WTAZ TX College Station, ID, rk
 1501 90.9 KQRM TX College Station, rk, ID
 1507 92.3 KQRM TX Midland, rk, ID
 1510 93.1 KJIZ TX Amarillo, "Z 93", rk, wx
 1517 94.1 KJL TX Amarillo, rk, under local
 1533 96.3 KJL TX Lubbock, ow, ID, "Triple L"
 1535 95.3 unid "K 95", rk, top 40
 1545 97.5 KWTX TX Waco, ads, towns
 band faded out to some state wide Tr and other
 regular fare.

8/12

Es 1147 91.1 WIBI IL Carlinville, EZ, REL
 tr 1153 92.5 WPAV FL Panama City
 Es 1244 90.9 KQRM MO Warrensburg, mx, (tent)
 1245 90.9 WJLL IL Urbana, Italian song, (t)
 1248 91.9 KSIU IL Carbondale, German



kvro
 stillwater stereo

One of the lowest powered
 commercial FM stations in
 America.

Pat Dyer, WAFIX, 5315 Silverlin Dr., San Antonio, TX 78228, Aug 1-31, 1978, (CST)
 Equipment used: Hallcrafters SX-62 with International Crystal SAK-1 preamp; six element Archer FM antenna at 20 ft. with rotor. New underlined. t-tentative.

8/3	tr 0516 KVPI 93.5 LA Ville Flatte, ID 385	Es 0958 KCRWt 89.9 CA Pasadena 1185
	0529 KQXY 94.1 TX Beaumont, ID 175	8/11
	<u>KEET</u> 96.5 LA Shreveport, ID 350	tr 0932 KQXY 94.1 TX Beaumont, ID 275
Es 1805-1040	unIDs mostly 88-92, MUF 92.3	(tr messed up the meteor monitoring)
tr 1010 KYKR 93.3 TX Fort Arthur, ID 280		8/12
1051 KGAF 94.5 TX Gainesville, ID 300	Ms 1054 KITS 94.7 MO Springfield, wx 615	
Es 1328 KBYUT 88.9 UT Provo, ex 1045		8/25
<u>KUEFT</u> 90.1 UT Salt Lake City 1080	Es 2000 KILA 95.5 NV Henderson, REL, ID 1040	
1335 f/out	2003 KESot 92.3 NV Las Vegas, rk 1050	
8/9	2007 KXTZt 94.1 NV Henderson 1040	
Es 0950 KCSnt 88.5 CA Northridge 1210	2022 KCSnt 88.5 CA Northridge 1210	
KPCSt 89.3 CA Pasadena 1185	2025 KLCnt 88.1 CA Long Beach 1180	
	2030 KNCBt 97.9 CA Long Beach, EL 1180	

A rather meager August showing of FM Es, perhaps the worst I've seen. Just one solid ID on Es for the month.

Trop(in-state variety, mostly) made using the automatic carrier-operated relay system for Perseid bursts very rough. Had to maintain some manual over-ride control of it. Rates on morning of the 12th good except never long enough or at the right time. The one ID was a Ms re-log(1974 Geminids). Major efforts were at the TV anyway(which also suffered from trop GCI).

According to W/N (and other reports) the last week of August should have been tremendous for auroral propagation for those far enough up to get it. Largest magnetic storm of the year. 73.

John M. Jefferson, 1150 Tilden Dr., Concord, CA 94520 - May 29 to Aug. 14, 1978
 Equipment: Heathkit J1-15 tuner w/ Sherwood S-7100 doubling as arr and backup tuner, Winegard CH-6065 FM antenna 40' up and Winegard SC-650 on a tripod in the back yard, 15' up, rotors.

Here's my latest DX, such as it is. 1978 was a disaster for me. Early June was almost totally blank. Just when there was some sign of life, I had to go to Anchorage on business(6/14 to 7/11 and 7/16 to 7/23). From 7/13 to 7/15 there was CCI fairly continuously on ch. 2, but the FM band just never really got started. And since the 23rd, nothing. Such as it is, here it is, (new underlined):

5/20	Es 0900 92.9 KSPZ CO Colorado Springs, ID	6/11	Ms 2135 92.9 KPLG AZ Flagstaff, phone # 600
	0900 94.5 KLL KS Scott City, ID 1125		of sponsor
	0910 93.1 KQIX CO Grand Junction, QM720	6/12	tr 0020 96.3 KPMI CA Bureka, ID 220
	0915 91.5 KUNC CO Greeley, ID 930	6/13	Es 1750 99.1 KKKK TX Odessa, ads in Sp. 1200
	0925 90.1 KCFR CO Denver 915		1755 92.3 KFTM TX El Paso, ad 990
	0930 103.5 KOAQ CO Denver, Q-103 915	7/12	Cw 0030 89.1 KSCU CA Santa Clara, ID 24
	0933 100.3 KLIB CO Denver, ID 915		(in Castro Valley) Would you believe this is
	1030 99.1 KROS SD Rapid City, ad 1100		it for July? (Well, yeah, that's the way
	1043 94.5 KQDY ND Bismarck, ad 1250		the 'ol atmospheric ball bounces. DB)
	1045 92.9 KYYI ND Bismarck, Y-93 1250	7/13	Es 2035 92.9 KSPZ CO Colorado Spr., 2-93 915
	1125 96.7 KGVV MT Belgrade, ID 760	7/15	Es 1245 92.9 KSPZ CO Colorado Spr.
	(good opening, but not stable enough		1245 94.5 KULL KS Scott City, "Cool", 1125
	to bring in several unids. MUF at least	7/29	and ref. to Scott City
	107.9-probably Ft. Collins, CO at 0940)	tr 90/3 KDVS CA Davis, ID 60	(new logging for Castro Valley)
6/3	tr 0112 92.7 KNFB CA Mendocino, ID 130	8/4	tr 0030 89.1 KSCU CA Santa Clara, ID 30
	(hard to get)		(in Concord)
6/4	Es 0910 92.9 KYYI ND Bismarck, Y-93 1250	8/7	Ms 0150 93.3 unid(Kay...v stereo Y-93 & wx)
	0915 94.5 KQDY ND Bismarck, QD-94 "	8/12	Ms 0420 92.9 KSPZ CO Colo. Spr., legal ID!
	0915 104.9 KNDR ND Mandan, ID	8/14	tr 0045 93.1 KNX CA Los Angeles, ID 335
	(Intense, stable signals, but little at		
	the end of the pipeline, alas.)		
6/6	Ms 0555 94.1 KKKK NM Humble City, ID 1100		
6/10	Es 1810 92.9 KSVP NM Artesia, ID 1040		
	(plus several unids, prob. Tucson & El Paso)		

Also added KIOII, Walnut Creek, CA to log. It's about 6 miles away, but was really difficult to nail down because KIOII is quite strong here. I'd still be trying but were nice enough to be off frequency slightly on 5/24, so the two signals didn't merge into each other. The totals now stand at 351 for the area, 310 for Concord alone, and 174 for Castro Valley.

-more reports cont.-

Jim Pizzi, 300 Park, Oroutt, CA 93454 - July 24 to Aug. 25, 1978 (PDT)

Equipment used: 10 el. log #65 horiz. fed into JVC VT 700 tuner, 10el. log #37 vert. fed into Ameco tunable pre-amp then to JVC VT 900 digital tuner. Everything in fine working order--knock on wood.

Es season a real bomb here. Very few openings noted. None others had better luck.

7/24

Es 1928 KETR 88.9 TX Commerce
1928 K4LD 91.5 TX Plainview, rk

8/1

Es 1134 KULL 94.5 KS Scott City, ID
1136 KPLJ 92.1 CO La Junta, ew, ID
1138 KYEZ 93.7 KS Salina
1140 KCMK 95.5 KS Dodge City, "L" \$ 95"
1140 KCSJ 97.9 CO Pueblo, E
1141 KVMN 98.9 CO Pueblo
1142 KPUP 99.9 CO Pueblo
1144 KXXK 100.3 KS Colby, "KK-100", ID
1145 FVND 105.5 CO Security, REI
1148 KKFM 96.5 CO Colorado Springs, \$96"

8/1

Es 1149 KZLO 100.7 CO Pueblo, "Z-100"
1150 KSTX 103.9 CO Canon City, ew
1151 KXNX 101.9 CO Colorado Springs, rk
1155 KZUZ 101.1 KS Oberlin, ew
1157 KZAB 92.1 CO Castle Rock, ID
1204 KVOD 99.5 CO Denver, cl
1211 KFKZ 96.1 CO Greeley, "I to KUN"
1212 KBCR 96.7 CO Steamboat Springs, ID
1215 KUNC 91.5 CO Greeley, cl
1221 urid 91.9 \$ cl, "art of music"

8/2

Gw 0001 KCSB 91.0 CA Santa Barbara, from 91.5

8/13

Gw 2139 KFRA 92.5 CA Paso Robles, \$rk, was ew

Edward R. Cotton, 4106 2nd St. Chesapeake, VA 23324 - June 11 to July 10

Equipment: Pioneer TX 6500 tuner, inside antenna.

This was some of the worst seasons ever for E's. Sometimes it went 1-2 weeks without one opening.

First, local WJHR-FM, 101.3 is now WDE, 101.3 with adult contemporary mx. It ID's as 2-W-D. Also WKHI, 99.9, Ocean City, MD aired on 6-30-78. Format rock mx, seem very friendly toward DX'ers. (power 100kw) ID's as "100-FHI" Here's what I have this season not including relogs.

6/11

Es 2004 KELD 92.5 SD
tr 2230 WNAV 94.1 MD
2238 WDTK 105.7 MD
2255 WRQY 107.3 DC ex-WMAL

6/12

tr 0006 FCE 101.3 PA
0028 FCC 93.1 ID
1144 WITH 104.3 MD
0101 JXTR 104.1 MD
0105 WJJC 99.9 NC
tr 1855 WQW 92.5 NC

6/20

Es 1830 CFY 92.1 MAN, CAN., ID as '92City FM'
2034 FLY 98.3 ONT, GIN, "Y-1"
2112 KVOH 94.9 MN, "KO-95"
2118 KATP 94.5 MN, "KS-95", o/WRVO
2130 KEEV 102.1 MN, o/WRCL, Richmond
2200 KWIT 90.3 IO
tr 2222 WDR 94.7 NC

6/24

Es 1110 KDKD 95.3 MO

6/24

Es 1119 KMRJ 96.9 KS, my first FM verie
1145 WOHX 94.9 FL

6/26

tr 0641 WAKG 103.3 VA

6/30

Es 1700 KJIV 92.1 SD, ew
1730 KESD 88.3 SD
1742 WJRN 92.1 MI
1747 WJD 92.1 MI
1754 WOFM 93.3 MI
1800 WJF 95.5 MI
1810 WLT 95.1 MI

7/6

tr 2200 WPGT 90.1 NC, a/off

7/7

tr 0706 KFI 99.9 MD, ID as "100-KHI"
2115 FLIP 101.9 MD, "Life"

7/8

tr 0622 WXTY 106.1 NC, "Y-106", MOR
0630 WPTM 102.3 NC, a/on, ew

7/10

tr 0636 WFLA 100.7 NC, ew

SFM DX WELCOMES THIS NEW REPORTER TO THE RANKS OF AVID FM DXERS

Randall B. Clark, RT5 Dutch Ridge, Parkersburg, WV 26101 - Jan. 7 to Aug. 31, 1978

Equipment: A Radio Shack model "Patrolman-6" with a 30 inch whip for FM and FSB....contending with a 50kw powerhouse station, WXL 95.1. I'm at 45 ft. above ground level.

All stations are new unless otherwise noted.

1/7 (all tr unless otherwise noted)

0147 WJVE 102.5 PA Pittsburgh
1425 KBE 90.3 OH Columbus

5/6

1535 WJD 104.7 PA Pittsburgh
1633 WGCL 98.5 OH Cleveland

7/7

0200 JFIF 101.1 MI Detroit
0200 WJAC 104.5 MI Detroit
0207 WJZZ 105.9 MI Detroit

5/18

2150 WMS 100.7 OH Cleveland
2340 WJOT 104.7 OH Toledo

5/19

0130 WJWM 105.7 OH Cleveland
(Strict non-ID, waited 1 1/2 hours!)

5/22

1100 WJEC 100.7 OH Springfield

5/22

1127 WJRT 107.1 IN Danville

5/23

0103 WJRS 105.1 MI Detroit

5/25

0028 WJOM 105.1 OH Salem

2110 WJKT 90.2 KY Morehead

5/26

0025 WDUQ 90.5 PA Pittsburgh

5/31

0000 WCLF 105.3 OH Mansfield

0623 WTOP 98.1 OH Akron

0658 WJHM 106.3 OH New Lexington

0659 WJHH 99.7 Pittsburgh

6/2

0901 WLVQ 96.3 OH Columbus

0905 WJVO 93.7 OH Mt. Vernon

cont.

6/12
 0209 KTH 95.1 IN Fort Wayne
 0210 WFSB 95.5 IN Indianapolis
 0300 WKSU 89.7 OH Kent
 0330 WAUP 88.1 OH Akron
 6/15
 0100 WPRN 106.9 OH Marion
 6-19
 1100 WTHI 93.1 FL Miami, E skip
 (first station via Etl)
 2042 WUBE 93.1 OH Cincinnati
 2214 WBEK 93.3 OH Chillicothe
 2123 KDKA 92.9 PA Pittsburgh
 6/20
 0005 WADV 93.3 OH Cincinnati
 0201 WFFM 96.9 PA Bradnock
 1138 WQUE 93.3 LA New Orleans, Es
 1327 WHP 92.5 OH Toledo
 1850 KKQD 92.9 MD Grand Forks, Es
 1903 KEYS 88.5 MD Belcourt, ES
 6/22
 0206 WZL 106.5 OH Cleveland
 0202 WDBA 107.3 PA Dubois
 6/23
 0200 WBR 103.5 TN Knoxville, new state and
 under severe GCI from WQW
 1117 WRE 107.1 OH Circleville
 6/26
 0929 WEEP 107.9 PA Pittsburgh
 6/30
 1300 KSTW 90.3 TX San Antonio, Es
 7/1
 1630 WJCO 101.3 OH Ashland
 (My receiver becomes disabled as my dial
 cord breaks and is out for 3 weeks!)
 7/31
 0759 WDSU 89.7 OH Columbus
 0830 WFTM 95.9 KY Maysville
 (While WJL off had severe 60 ops hum.. They
 were knocked off by lightning.)
 8/1
 0109 WBYX 91.3 KY Lexington
 8/4
 0008 WFAH 92.5 OH Alliance
 0058 WSRD 101.1 OH Youngstown
 0206 WKEN 98.9 OH Youngstown
 0305 WYEP 91.5 PA Pittsburgh
 8/6
 2255 WHEU 100.7 PA New Kensington
 8/8
 0134 WCLG 100.1 WV Morgantown
 8/9
 0205 CFCA 105.3 ON Kitchener, a new country,
 through WKLC, very good!
 0236 WIMA 102.5 OH Lima
 1039 WYUD 99.9 OH Kettering
 1042 WQLR 96.1 IN Richmond
 1051 WNAF 93.1 IN Indianapolis
 1131 WYAK 93.1 OH Cleveland
 8/14
 1228 WJWZ 103.5 MI Detroit, UNDER WQW!

8/15
 0816 WJCO 98.7 OH Jackson, not listed in
 Comm. World as I use this for my main ref.
 guide. (FM atlas has it at 97.7. DB)
 8/17
 0106 WGRK 104.5 VA Norfolk, (tent)
 0110 WLE 104.9 OH Lorain
 0231 WPEZ 94.9 PA Pittsburgh
 0239 WJHI 95.7 IN Jefferson, thru WJL
 0240 WBOY sig. thru WJL, tremendous junk
 0302 WSAI 94.1 OH Cincinnati
 8/18
 2313 WGOH 102.3 KY Grayson
 2322 WBBV 103.9 OH Westerville
 8/21
 1145 WSGS 101.5 KY Hazard
 1127 WFBZ 96.7 MI Detroit
 1256 WWR 89.1 VA Roanoke, new state
 1302 WLRJ 92.3 VA Roanoke
 1304 WCAK 92.7 KY Catlettsburg, weak
 1345 WCLV 93.9 OH Windsor, nice one!
 1905 WJOM 88.7 OH Windsor, as above!
 2256 WFRB 105.3 MD Frostburg, new state
 2310 WDET 101.9 MI Detroit
 2318 WGRG 92.9 MO Hannibal, new state, QLSed!
 2354 WJWZ 98.5 MO Farmington
 8/22
 0006 WCOL 90.3 IN Fort Wayne
 0010 WDRQ 93.1 MI Detroit
 0830 WAGE 98.3 IL Paris, new state
 0900 WOTM 91.7 MI Ann Arbor
 1400 WFLP 89.3 KY Louisville
 1831 WPIU 103.7 IN Bloomington, w/ ed. prog. NPR
 8/23
 0030 WUOL 90.5 KY Louisville
 1058 WQFM 93.3 WI Milwaukee, new state
 1102 WJAI 92.9 OH Eaton
 1130 WBEI 90.1 IL Chicago, thru WJL
 1200 WQED 89.3 PA Pittsburgh
 1300 WCDP 90.1 Cedarville, thru WJL
 1320 WQX 101.1 IL Chicago
 1401 WERN 102.7 OH Cincinnati
 1904 WYEE 100.7 IN Elkhart
 2020 WJBC 94.1 OH Canton
 2022 WJDD 96.5 OH Akron
 2030 WYUK 102.1 MI Kalamazoo
 2034 WJLA 104.3 OH Liverpool
 2125 WJAS 102.3 IL Crete
 2202 WHPB 99.9 MI Benton Harbor
 2246 WYAK 93.3 IN Kendallville
 2310 WITL 100.7 MI Lansing
 2316 WJEE 104.3 IL Chicago
 8/24
 0035 WJAI 102.1 WI Milwaukee
 0123 WJTE 91.3 OH Toledo
 0146 WOOD 105.7 MI Grand Rapids
 (opening petering out by 1000 EDT)

(Randall, you seem to be having the same
 kind of ball I had back during my first
 days of FM DXing, DB)

Hello, everyone! I hope your DX was as good as mine!! As my loggings show, that
 "super" tr opening of the 21st-24th was something else!!
 I've never seen the low tv bands so jammed!! OHF was super
 too!. I've just gotten into FM DXing and I love it!
 WVAH 99.9, Charleston, WV was off for a few days for mod-
 ifying their antenna-. Seems some people are complaining
 of weak signals. When I can hear them city grade at
 90+ miles. Maybe I'm in their main lobe, Well any way
 the best of dx to one and all. Sincerely, Randy.



Rich Sanford, 404 S. McNeill, Burnet, TX 78611 - Aug. 4 to Sept. 4, 1978 (COT)

Equipment: Kenwood KR-5400, 10 el. Arceer FM with Balidon #823 T-line at 24 ft., rotor			
8/4 (all tr)		8/17	
0755 KRIV 99.9 TX Brownsville	340	0814 WLIF 95.5 MS Jackson	500
0750 KHJD 98.9 NL Monterrey	365	0817 WEZZ 102.9 MS Jackson	
0806 KDJY 100.3 TX Brownsville	340	0823 KXKT 107.5 LA Ruston	360
8/11		0828 KOSY 102.5 AR Texarkana	305
0732 JAB 98.1 LA Baton Rouge	435	0850 KCE 101.9 LA Monroe	385
0937 KTDY 99.9 LA Lafayette	385	0858 QAV 98.7 MS Vicksburg	460
8/12		0900 KIFB 107.3 OK Poteau	360
0754 KASO 95.3 LA Kinder	320	2255 KAS 101.7 LA De Ridder sign off	300
0759 KTBE 92.1 TX New Rochelle	220	2334 KTDY 99.7 LA Lafayette	385
0801 KMET 103.9 TX Marshall	255	2359 AAF 98.1 LA Baton Rouge, sign off	435
0806 KWE 104.7 LA Monroe	385	8/18	
0812 JMT 99.7 MS Jackson	500	0804 KMF 102.5 LA Baton Rouge	
0813 KEFT 96.5 LA Shreveport	290	0825 KRCF 104.9 LA Abbeville	360
0817 WLIF 95.5 MS Jackson	500	0746 JMT 99.7 MS Jackson	500
0820 KPOK 94.5 LA Shreveport	290	0757 KFJD 98.9 NL Monterrey	365
0823 KNOE 101.9 LA Monroe	385	8/21	
0826 KXKT 107.5 LA Ruston	360	0841 KNOE 106.9 OK Clinton	345
0829 KLCR 102.3 TX Center	250	8/23	
0854 KPEB 106.1 LA Monroe	325	0828 KHJD 98.9 NL Monterrey	365
(Fairly rare, sandwiched between 106.1 regulars KMT & KIOC.)			
0901 KMAA 95.9 LA Minnsboro	405	0846 KRIV 99.5 TX Brownsville	340
8/14		8/24	
0802 KINF 107.3 OK Poteau	360	0026 KGPA 103.7 LA Lake Charles	310
0811 KTRN 93.3 OK Ada	285	0030 KMT 99.5 LA Lake Charles	310
0816 KRRQ 92.1 OK Ardmore	240	0040 KTRN 100.9 LA Sulphur, "Q-101"	300
2315 KDUT 100.3 TX Brownsville	340	(Very selective tropo w/KGRA & semi-regular KSI 96.1 in much stronger than all Tri-angle stations, yet not in beyond them.)	
2334 KRIV 99.5 TX Brownsville		0745 KWVP 105.5 LA Leesville	300
8/15		0748 KMT 103.9 TX Marshall	255
0755 WJVI 9.7 MS Jackson	50	0749 KLCF 102.3 TX Center	250
8/16		0750 KRTA 95.9 TX Kilgore	225
2334 KTDY 99.9 LA Lafayette	385	8/25	
2357 KMT 98.5 TX Fort Arthur	260	0853 KALF 96.9 TX Odessa	255
2359 KGRA 103.7 LA Lake Charles	310	0900 KOYL 97.9 TX Odessa	
8/17		8/26	
0818 KRCF 104.9 LA Abbeville	380	0800 KRCX 94.5 LA Shreveport	290
0828 WEZB 97.1 LA New Orleans	500	0805 KINF 107.3 OK Poteau	360
0831 KMF 102.5 LA Baton Rouge	435	0817 KLCF 102.3 TX Center	250
0845 KDUT 100.3 TX Brownsville	340	0821 KNOE 101.9 LA Monroe	385
0851 KTEL 105.3 LA Slidell	520	0829 JMT 98.9 NL Monterrey	365
0900 WYK 91.5 LA Baton Rouge	435	0832 KMT 103.9 TX Marshall	255
1005 KLCI 99.5 LA Lake Charles	310	0804 KXKT 107.5 LA Ruston	360
0746 WYV 106.7 MS Vicksburg	460	0821 KBEY 99.3 TX Lufkin	210
0748 KVV 105.5 LA Leesville	300	8/27	
0753 JMT 99.7 MS Jackson	500	0828 KHJD 98.9 NL Monterrey	365
0800 KJFR 96.3 MS Jackson	500	9/1	
0806 KHJD 93.5 MS Clinton	490	2225 KRIV 99.5 TX Brownsville	340
0808 WKXI 94.7 MS Jackson	500	9/2	
0813 WQNZ 95.1 MS Natchez	420	0853 KHJD 98.9 NL Monterrey, "Stereo 99 (first time heard with legal calls in English)"	
		0917 KXKS 92.1 TX Alice	205

Another bad month here (especially the last two weeks) with none of the August Es I had hoped for. I wish some of the "old-timers" would tell us the last time the summer Es season was this poor. Had some bad luck here as KXKS-FM 93.3, Killeen at 40 miles upped its power to 100 kw on 8-16, resulting in the loss of two semi-regulars: KMAT-Midland and KYFR-Fort Arthur at 240 and 260 miles, respectively. I've heard KMAT since then and (with a little luck) I should be able to null out KXKS to get HQ and KYFR. However, loggings such as WHJ (heard earlier that week) will now be all but impossible. It's trying to overcome obstacles such as this that keeps my interest in the hobby so high. Until Next Month, Rick.

ANOTHER NEW REPORTER

Neil Dickerson, 426 State St. Sharptown Maryland 21861 - July 19 to Sept. 3, 1978

Hello, this is my first report so an introduction is in order. I am 21 years old and employed by A&P Markets as a clerk. For my FM DXing I use a Fisher RS-1060 Receiver with a Channel Master "Stereo Probe" #44086 antenna with rotor at 30 feet. I also use an RCA 15db amp in line with a 50db Minigard amp. For recording I use a Panasonic "Technics" 671A cassette deck. I had a pretty good summer with over 300 new stations added to the log. My FM totals now are: 625/39/3 + 3 countries. Below are new loggings:

7/19 (tr)		7/19	
0830 WMFR 88.7 SC Sumter		0847 WSCI 89.3 SC Charleston	
0845 WJHA 88.9 NC Raleigh		0856 WBCT 90.5 SC Columbia	

-cont.-

7/19
 0900 WIOZ 107.1 NC Southern Fines
 0904 WRQK 98.1 NC Greensboro, rk
 0915 WLTR 91.3 SC Columbia
 0940 WZCZ 104.7 NC Charlotte, thru loc. WBOC
 0930 WEPF 90.1 SC Greenville
 0938 WAVA 96.3 VA Martinsville
 0945 WPDG 88.5 NC Winston-Salem
 1000 WFCB 91.5 NC Chapel Hill
 2330 WPCB 92.3 RI Providence
 2345 WGLH 90.7 PA Wilkes-Barre
 7/20
 1930 WESX 92.5 SC Greenville, cw
 1945 WFLO 95.7 VA Farmville, rk
 1957 WFOZ 94.5 MA Boston, EZ
 2015 WCFM 9.9 MA Willemsboro
 2140 WICW 90.5 MA Worcester
 2158 WTHU 82.7 CT West Haven, rk
 2200 WTKR 100.7 MA Boston, "TK-101", prog.
 2205 WHUC 91.7 CT Storrs
 7/21
 0055 WPIR 105.1 RI Providence, rk, "JB-105"
 0800 WPTT 87.1 NY Brockville, heard over WBBR
 1900 WDAV 89.9 NC Davidson
 7/22
 0900 KINGS 89.5 OK Tulsa
 0904 KPAH 92.1 NB Alliance
 2130 WTLN 89.9 PA State College
 2145 WGLD 100.3 NC High Point, E
 7/23
 0945 KDSA 91.1 KS Wichita
 1000 KTVC 87.5 KS Dodge City
 1830 WHEJ 95.3 NY Southampton, CL
 1837 WUSB 90.1 NY Stony Brook
 1900 WLMG 92.1 NY Sag Harbor, rk
 2030 WDRG 92.9 CT Hartford
 2100 WXYZ 92.5 CT Waterbury, "YZ"
 7/27
 0302 WJLV 101.5 RI Providence, EL
 0330 WBT 8.3 MA Boxford
 1800 WRHY 92.7 PA Starview, rk
 7/31
 1600 WDSU 87.5 LA New Orleans

Most taped.

7/31
 1615 WZGG 92.9 GA Atlanta, "Z-93"
 1615 WBLX 92.9 AL Mobile
 8/2
 2230 WOPX 91.3 NY Syracuse
 2315 WUPF 100.1 PA Lebanon, "Stereo 100"
 8/8
 1100 WPTT 90.1 NC Roanoke Rapids
 1200 WQMC 95.3 VA Charlottesville, EZ
 1400 WHEE 95.5 NC High Point, REL
 8/9
 1930 WGBB 94.9 MA West Yarmouth, EZ
 1951 WGBA 107.7 NY Albany, cw
 8/22
 0730 WQSM 98.1 NC Fayetteville, thru WTVR
 2230 WTVB 91.1 IN Vincennes, rk, my farthest
 tropo! 650 miles!
 2245 WHTZ 103.9 PA Mercer
 2315 WVEE 88.1 IN Elkhart, rk
 2317 WTVN 87.5 OH Columbus
 2330 WJNC 89.1 IN Mt. Carmel, rk, also 650
 8/23
 0000 WFSR 90.7 IN Evansville
 0030 WCL 90.3 IN Ft. Wayne, REL
 1945 WSTZ 93.1 NC Winston-Salem, "Z-93"
 2000 WTEF 91.5 PA Pittsburg
 8/24
 0730 WOPX 91.7 MI Ann Arbor, cl
 0745 WFIT 101.5 PA Pittsburg
 8/27
 2000 WTEB 89.7 PA Raleigh
 8/29
 0730 WJVF 90.5 NJ Flemington
 9/2
 1620 WJER 91.9 NY Lake Ronkonkoma
 2032 WJAM 89.1 VA Williamsburg, rk
 2145 WJBT 94.1 RI Providence, "Joy", EZ
 2200 WJUL 91.5 MA Lowell
 2220 WJXL 103.7 NJ Newton, heard thru WJAM;
 one of my most wanted stations
 2245 WRFI 95.1 CT Brookfield, rk, "I-95"
 2300 WHTC 93.9 NY New York, cl
 9/3
 0000 WJWH 91.3 CT West Hartford, rk
 0100 WRIW 90.3 RI Kingston, A. O. R.
 0120 WOTB 107.1 RI Middletown
 0130 WBRU 95.5 RI Providence
 0150 WBCN 104.1 MA Boston, A. O. R.
 0200 WNEA 90.1 ME Portland

SOME ABBREVIATIONS USED IN THIS COLUMN:

rk - rock	ck - classical
EZ - easy listening, (beautiful music)	REL - Religious oriented, gospel
cw - country and western	mx - music
nx - news	wx - weather
	\$ - stereo

CLOSING NOTES: Your editor has no dx of his own to report since dx conditions at SFM headquarters have dropped to nearly zero since August 11th. I guess the desert like weather that has prevailed here all summer took its toll.

If you haven't already, send your summer's dx in now without further delay while it's still timely.

REPORT TO THIS COLUMN IF YOU FROM: AL, AR, AZ, CA, CO, DE, FL, GA, KS, KY, LA, MD, MS, NC, NV, OK, SC, TN, UT, VA, & WV. ALSO MEXICO.

+++++

NORTHERN FM-DX

Bruce Golden
27 Spruce Hill Road
Georgetown, CT 06829
(203) 544-8214

Deadline: the 10th

Send in your DX now, if you live in WA,OR,ID,WY,ND,SD,NE,MN,IA or east of the Mississippi River and north of the Mason Dixon line.....

Thanks to this month's five reporters! Phew... it's gonna be a lot of typing. Nevertheless, keep those reports coming, and maybe you'll log catches like those that follow! (New loggings underlined, new propagations dashed)

Fred McCormack-Des. Lacs, ND 58733 (CDT) *indicates DX from Fargo, ND

7/29 Es
0855 WMOI 89.5 TN Murfreesboro 1015 KXAA 95.7 AR Little Rock
0906 KCLI 95.3 OK Canton 1057 KQVT 95.5 AZ Phoenix
1010 WJMI 99.7 MS Jackson 1107 KHJO 92.7 CA Thousand Oaks, m
1010 WJFR 96.3 MS Jackson, Family Radio 1305 KPFA 94.1 CA Berkeley
1014 WKYV 106.7 MS Vicksburg 1308 KZSU 90.1 CA Stanford
1427 KUIC 95.3 CA Jacaville, Quick 95, r

(Fred does not indicate cities on remainder of his report)

6/20 Es*1818 KYND 92.5 NY
6/23 Es 1630 WLIN 95.5 MS, FM-94
AU 1900 KROE 94.9 NY, FM-94
6/24 Tr 0235 KBCW 95.5 LA, c/w 0243 KIOV 104.7 SD, c/w
6/24 Es
1113 KJAK 92.7 TX, gospel 1150 KOYL 97.9 TX, All-American c/w
1117 KQIZ 93.1 TX, Z-93 1155 KPOE 94.1 NM
1118 KTEZ 101.1 TX, FM-101, EZList. 1159 KACV 89.9 TX, rock, Mutual nx
1123 KKKK 99.3 TX, Quad-K, Stereo 99 1210 KWGO 99.5 TX, spanish
1134 KLEA 101.7 NM 1218 KPJH 94.3 TX, Accent nx
1142 KQOT 104.7 TX, The Entertainer, EZL 1232 KRWG 90.7 NM
1145 KIXY 94.7 TX, Y-95 1234 KINI 92.7 TX, rock
1146 KBIM 94.9, NM 1251 KPIM 92.3 TX, rock

1257 KEZB 96.3 TX, EZL

6/25 Es
1033 KSNM 95.5 NM, classical 1138 XFTO 104.3 CH, spanish
1040 KDEM 94.3 NM, EZL 1139 XHEM 103.5 CH, spanish
1131 KANW 89.1 NM, rock 1150 KASK 103.1 NM

6/28 Es*1853 KZZX 99.5 NM, 99-ZZX, r 1208 KNIX 102.5 AZ
*1857 KTDB 89.7 NM *1857 KOB 93.3 NM

7/8 Es 1810 CHAY 93.1 ON
7/21 Es 2207 KLOS 95.5 CA, rock 2232 KXO 107.5 CA, Beautiful mx
2235 KJOK 93.1 AZ

7/22 Es
1250 KAIT 95.9 TX 2130 KETZ 94.1 NV, FM 94, EZL
1300 KTNM 92.7 NM 2148 KBIM 94.9 NM
1333 KANW 89.1 NM, rock 2153 KMCR 91.5 AZ

7/28 Es
1719 KOOV 103.1 TX 1730 KFCU 88.7 TX
1720 KNOK 107.5 TX, soul 1740 KOKE 95.5 TX, coke, c/w
1722 KPLX 99.5 TX, relax...KPLX 1817 WKSJ 94.9 AL
1820 WJLQ 100.7 FL, Q weather, rock

Equipment: Des Lacs- Heath AR-1500, JPD 10 element log periodic
Fargo- Heath AR-15, rabbit ears

Not too much time for DXing with the skip somewhat quieter than expected anyway. The highlight of the year so far is the logging of KROE-94.9 for my first from Wyoming. 73, Fred.

Greg Monti-5 Hickory Road Bayville, NY 11702

7/7 Tr
2340 WCRF 99.3 NJ Pleasantville, r 2340 WJRZ 100.1 NJ Ship Bottom, rm
2340 WKHI 99.9 MD Ocean City, r, "100 KHI" 2340 WCMS 100.5 VA Norfolk, k
18 Tr 0620 WBBC 104.7 MD Salisbury (Ocean City), m, CoS
0620 WRDR 104.9 NJ Egg Harbor, r or rm, "WRD" ID's similar to
assumed sister station WRDI-1580.

All logged on Audiovox VW71FM car radio at Kerrick, NY.

Joseph Feig-150 Robert Place North Plainfield, NJ 07080 (EIT)

6/24 Es
 0959 WAFB 90.3 FL Ft. Lauderdale, ID 1034 WOLO 101.7 FL Ft. Lauderdale, EZI
 1014 WWRN 92.1 FL Ft. Palm Beach, ID 1036 WAXY 101.9 FL Ft. Lauderdale
 1018 WWML 103.9 FL Ft. Palm Beach, c/w 1039 WXYZ 98.2 FL Fort Myers, ID
 1022 WTRK 107.9 FL Ft. Palm Beach, c/w 1101 WCA 111.1 FL Cocoa Beach, r
 1024 WJOE 107.5 FL Miami, c/w 1107 WCC 100.3 FL Plantation Key
 1112 WCKC 102.7 FL Pompano Beach, ID, so d

6/30 Es
 1354 WQID 93.7 MS Biloxi, ID, rx 1543 WPAD 96.9 KY Paducah, ID, rock
 1401 WJTF 96.7 MS Gulfport, ID 1706 WFF 93.7 KS Salina, ID, promo, IL
 1402 WQTE 93.3 LA New Orleans 1708 WKTK 107.3 MO Lexington, contest
 1712 KQK 102.1 KS Hutchinson, r 1800 KSK 99.9 KS Salina, rx, r, ID
 1718 KARI 102.3 KS Wichita, EZL 1815 WJEF 92.9 IL Olney, ID, ID
 1730 KFTX 106.5 MO Liberty, ID, rx 1823 KCFM 93.7 MO St. Louis, ID

7/3 Tr
 0014 WWEL 107.9 MA Bedford, ID, EZ 0136 WPIK 93.7 NY De Pew, ID, soul
 0124 WZTA 105.5 PA Tazewell, ID, EZ 0136 WPIK 93.7 NY De Pew, ID, soul
 0215 WFA 97.7 PA Treckton, rock, "CAV" ID's

7/4 GW 1300 WKHI 99.9 MD Ocean City, r, 100 KMI ID's
 7/6 Tr
 1933 WWDL 101.9 PA Scranton, promo 2005 WQSV 88.9 PA Selinsgrove, wx, promo
 2000 WTOM 91.7 MI Ann Arbor 2249 WFRE 99.9 MD Frederick, ID, rate
 7/8 Tr 0900 WGMX 103.5 DC Washington, classical rx, ID, over local WTFM
 0905 WXTR 104.1 MD La Plata, c/w 0908 WWNT 100.9 VA Warsaw, ID, c/w

7/12 Es
 2141 WDRBT 106.5 WI Marshfield 2150 KLSS 106.1 IA Mason City, KS-106
 2143 KTWN 107.9 MN Anova, ID 2200 KRUA 95.1 IA Worthington, ID
 2145 KEYE 102.1 MN Minneapolis, EZL 2210 KRIT 96.9 IA Clarion, ID, promo
 2215 KTGA 92.1 IA Fort Dodge, r, K-92 ID's

7/19 Tr 2314 WRAL 101.5 NC Raleigh, MOR, rock, 101-FM ID's
 7/20 Tr
 0014 WYD 96.1 NC Raleigh, EZL 2254 WFLS 93.3 VA Fredericksburg, c/w
 0652 WJNC 91.5 NC Chapel Hill, c 2310 WDSO 94.7 DE Dover, c w
 2330 WWO 94.3 NJ Allentown c/w WJLK w/ ID. Unusual

Equipment: Pioneer SX-818 rx, pair of antennas, IFT-10s (stacked @ 35 feet with rotor. The fine 24th Es opening to S. Florida was the strongest ever heard here. However, other than that, this season has been a dud for Es. At least there has been some good tropo. The morning of July 20th was super- too bad there are no open channel to work with in these parts. 73, Joe

Paul D. Traska-64 Weaver Ave.-Buffalo, NY 14206

12/12/77 Tr 0300 CJOM 88.7 OH Windsor
 MS 1302 WSMC 90.7 TN Collegedale
 Tr 1727 WYSU 88.5 OH Youngstown

1/6 Tr 1245 WERG 89.1 PA Erie, 10w
 1/8 Tr 1130 WERG 89.1 PA Erie
 1/16 Tr 1740 WBGL 90.3 IN Fort Wayne
 2/21 MS 1208 WJNC 90.1 MS Senatobia
 3/18 Tr 1530 CKO 97.5 ON London
 6/12 Es 1720 WDI 100.3 FL Orlando

6/20 Es
 1804 KOEZ 92.3 KS Newton 2120 KOBC 90.7 MO Joplin
 1849 KEZO 92.3 NE Omaha 2121 KOSU 91.7 OK Stillwater
 1904 KVNO 90.7 NE Omaha 2130 KMOD 97.5 OK Tulsa

6/30 Es
 1335 KWFX 97.5 TX Waco 1405 KMMU 89.1 KS Wichita
 1406 KERA 90.1 TX Dallas

The best super tropo seen i ever came up to as yet, two long haul stations picked up 7/6/78 got to be 800 mile plus, stuff one don't receive all the time.....

7/6 Tr
 0100 WMBI 90.1 IL Chicago 0245 WCNL 91.7 MI Alpena
 0145 KUNI 90.9 IA Cedar Falls 1210 WCVU 89.5 MI Mt. Pleasant
 0220 WSIU 91.9 IL Carbondale 1210 WGBI 90.1 IL Chicago
 1215 WEMU 89.1 MI Ypsilanti

7/12 Es 1730 KTX 88.1 TX Lubbock 2007 WAFG 90.3 FL Ft. Lauderdale

Northern FM DX

John Ebeling 9209 Vincent Ave. S.-Bloomington, MN 55431 (CST)

6/30 Es DX received at Bloomington, MN:
1555 WFOG 92.9 VA Norfolk, +SCA 2210 WQUE 93.3 LA New Orleans, '\$Hits'
1557 WDYL 92.1 VA Chester, g 2230 WBYU 95.7 LA New Orleans
1600 WTGM 89.5 VA Norfolk 2245 WMPF 102.5 LA Baton Rouge
2152 WUSF 89.7 FL Tampa 2304 WMNO 89.9 LA New Orleans
7/4 Good tropo to IA, IL & WI in afternoon & evening. DX included
2312 WWCT 105.7 IL Peoria, r 2317 WMIA 94.1 IL Mount Vernon, m, SCA
2322 KMOX 103.3 MO St. Louis, rock
7/6 Tr 1055 WUPM 106.9 MI Ironwood
7/8 Tr
1900 WFMR 96.3 WI Milwaukee, mor 1930 WGEM 105.1 IL Quincy, "GEM country"
1902 WKJF 92.9 MI Cadillac, +SCA 2011 WVEW 101.9 IL Springfield, +SCA
1906 WZZR 95.7 MI Grand Rapids, r 2015 WKFV 105.9 IL Chicago, +SCA music
1925 WWRW 106.7 MI Gaylord, mor 2018 WCCI 107.5 IL Chicago, r, +SCA music
1926 WOOD 105.7 MI Grand Rapids, mor 2031 WVCY 107.2 WI Milwaukee, g, +SCA
7/11 Tr 0008 KTFK 106.9 KS Topeka, k
7/13 Tr
2308 KSFT 105.1 MO St. Joseph, r 2320 KPRS 103.3 KS Kansas City, r, SCA
2314 KXTR 96.5 MO Kansas City, c, SCA 2330 KFIJ 106.5 MO Liberty, MBS
2315 KTRQ 98.9 KS Leavenworth, k, SCA 2338 KCKN 94.1 KS Kansas City, k
2317 KSWT 107.7 KS Topeka, mor 2400 K3EQ 104.3 KS Kansas City, r
7/14 Tr 0001 KANU 91.5 KS Lawrence 0009 KTFK 106.9 KS Topeka
7/23 Tr 2359 KFMQ 101.9 NE Lincoln, r
7/24 Tr
1105 WJYJ 106.7 MN Brainerd, r, new 2321 WWCT 105.7 IL Peoria, r, +SCA muzak
2359 KFMC 106.5 MN Fairmont, UPI news
7/25 Tr 1613 KRPC 90.5 MN Owatonna, 10w, g 1617 KICB 88.1 IA Ft. Dodge, 10w
DX received at Prossit, MN:
7/14 Tr 2345 CHIQ 94.3 MB Winnipeg 2350 WEVE 100.1 MN Eveleth, new stn.
7/15 Tr 1000 ??? 98.7 MB No ID 1015 OKSB 93.5 MB St. Boniface
7/20 Tr
1011 WJYJ 106.5 MN Brainerd, ETest 1057 KIWI 105.3 IA Dubuque, mor
1017 WLSI 88.9 WI La Crosse, jazz 1101 KLYF 100.3 IA Des Moines, mor
1045 KDMI 97.3 IA Des Moines, g 1121 KDOM 94.3 MN Windom, r
1050 KXEL 105.7 IA Waterloo, r 1131 K3KE 89.5 IA Cedar Falls, c
1148 KELO 92.5 SD Sioux Falls, mor, +SCA music
7/21 Tr 0014 KFMD 92.9 IA Dubuque, r 0016 WIAA 101.1 WI Green Bay, r
Es 1130-CQKN *99.3 NWT Baker Lake
1220
7/22 Es
1830 WVCD 97.9 PA Hazleton, mor 1856 WBJH 101.5 NJ Trenton
1837 WDEB 96.5 PA Philadelphia, 1x 1859 WKDN 106.9 NJ Camden, g
1838 WLEV 96.1 PA Easton, r 1900 WCTX 92.1 PA Palmyra
1839 WBEV 95.1 PA Bethlehem 1900 WAYV 95.1 NJ Atlantic City
1844 WRPY 102.5 PA Reading, +SCA 1907 WGRF 99.3 NJ Atlantic City
1854 WMGK 102.9 PA Philadelphia, r 1912 WTSP 94.1 PA Philadelphia, r
1855 WDAS 105.3 PA Philadelphia, r 1915 WFIJ 92.5 PA Philadelphia, "Y-Fi'r
1916 WJLK 94.3 NJ Asbury Park, r

*This is out of the ordinary. Antenna was turned north in attempt to get more Manitoba stations. Had fading Es for 50 mins. Wish I had a recorder. Many personal messages to people in places such as Reindeer, Colville Lake, Ft. Smith and Polatuck were heard, read by woman & interspersed w/music. No ID on hour- silence & then CBC news. Weather was given for Cape Dorset, Baker Lake & others. Northwest Territories mentioned, along with fact that old supply ship "Scobie" was in Hudson's Bay. FM Atlas lists 12 low-power NWT stations, only one on 99.3. My location prohibited attempts to get any others, as 105.1 & 105.9 NWT freqs are covered by locals. There is no doubt in my mind that it was Baker Lake that I had. This must be the first NWT stations received in the U.S., as I can't recall anybody else ever catching one. My big gripe is that I did not have a recorder of some kind, but I usually get along without one while at the cabin as there is so much other stuff to carry out. Skip distance is about 1250 miles, and having it from the north is very unusual here in MN.
Equipment: Bloomington: Heath AJ-15 & Sony ST5130 rx, 10 element antenna.
Prossit: Sony ST5130 rx and 5-El antenna in attic, hand rotated.

That's all I have room for this month: I'll have the rest of the reports next month, when things are less hectic and my normal routine resumes.
73 from deep down in the void of DX.

QSL CORNER

Thomas V. Vingling, Jr.
221 Pinewood Road
Baltimore, MD 21222
Phone + 1-301-281-5640
Deadline: 10th

FM-QSL

ON	CKFM	99.9	Toronto, 2 St. Clair Ave. West, M4V 1L6. QSL-card from Clive Eastwood, & D. Lumley Vice Pres. Eng. same qsl card for CFMB-AM & CFRX- Vingling
	CFPL	95.9	London, 369 York St, London. Letter from W. J. Brady, Program Manager. Also send coverage-map & bumper-stickers. Vingling
FL	WFYN	92.5	Key West, P. O. Box 2515, 33040. Nice letter from William B. Zammit, Technical Director. Vingling
	WCCF	92.7	Punta Gorda, P. O. Box 1929, 33950. Xeroxed letterhead letter of qsl from J. Reinhard. Vingling
	WMEF	92.7	Stuart, Drawer 359, 33494. Letter from Fred L. Nettare. Vingling
IL	WDDD	107.3	Marion, Dutch Doelitsch *yng* a verification on my meteor scatter report, they say they gotten their best QX about 400 miles to the SW into QX. Elving
LA	KSMB	94.5	Lafayette, prepared postcard back from James Hoffman, CE Elving
	KXKZ	107.5	Ruston, Short letter from Dan Hollingsworth, also qsl sca Elving
MM	KXRA	92.7	Alexandria, 56309. Letter from Wendell Sauers, CE says "Good luck on scanning your dial" Mullis
	KSJH	89.1	Collegeville, Letter from Victor Assad, general manager, mentions use of 10 watts, but with 77 watts at 460' instead now. Elving
	KEZZ	94.3	Aitkin, 56431. Letter from James J. O'Rourke, Program Dir. Vingling
	KPRM	97.5	Park Rapids, Hwy 34 East, 56470. Letters, maps from Cindy DeLahurt, in 2 weeks. Vingling
	KRMO	89.8	Penson, qsl card send, no name, but chief engineer signed Dalton
NJ	WHRI	105.9	Newark, 45 New St, 07102. Nice handwritten letter from Gilbert Abbey, CE Mullis
			Reply back in 2 weeks.
NY	WNCQ	97.5	Watertown, Box 294, Gifford Rd 2, 13501. Letter & map from Michael P. Ring. Reply in 1 month. Vingling
SD	KBLO	92.5	Sioux Falls, 57100. Send verification card signed by Phil Howe, Operations Manager & reply in 16 days. Sowinski
	KBRK	94.3	Brookings, 507 1/2 Main St, College Theatre Bldg, 57006. Letter from Robert J. Peimers, Manager in 3 weeks. "...interesting to hear that even for a short time KBRK-FM could cut out a signal at that distance." Sawatzky
	KNNC	95.5	Sioux Falls, Send card in about 1 1/2 weeks, signed by Ted Miller, CE & said that station is affiliated with Northwestern College Radio Network a non-commercial Christian format. Dalton
TX	KCHU	90.9	Dallas, 2516 Maple Ave, 75201. Letter from Lawrence Rolaf, CE "Your report is by far the furthest we've ever received." & "...its gotten many happy gasps around the studio..." Sawatzky
	KOXT	101.9	San Antonio, 411 E. Duranow Blvd, 78204. Letter from Marvin L. Fiedler, CE "I posted a copy of your letter in the announce booth." Sawatzky
WI	WMHI	91.3	Highland, % 732 N. Midvale Blvd, Madison, 53705. Letter from Norman Michie, Radio Network Program Director. Mullis
	WWLA	93.3	La Crosse, Ft 2, 54601. Letter, coverage-map & bumper-stickers from William E. Bruzing, President reply in 2 1/2 weeks. Mullis
	WJMT	93.5	Merrill, 120 S. Mill St, 54452. Letter from Wayne H. Smith, General Manager, reply in 2 weeks. Vingling
	WSPT	97.9	Stevens Point, 500 Division St, 54481. Form letter in 7 days from Jim Tuszka, CE Sawatzky
	WEZW	103.7	Milwaukee, 1572 E. Capitol Dr, 53211. Letter from Edward Jurich, CE "on the same morning you were listening to us, one of our salesmen was listening to Texas." Sawatzky
	WYXE	92.1	Madison, P. O. Box 3470, 53704. Letter from Clifford J. Groth in 4 weeks, mentions a report from Tampa, FL on June 20, 1974. Sawatzky
WY	KIOZ	1-2.9	Laramie, Box 818, 82070. Letter from J. Thomas Norman, WA7HFY, CE Mentions that he works WY on 6-meter ham band via E's and advertisers whose spots I heard give me discounts. Sawatzky

Reporters are Bruce Elving, Duluth, MN; Michael Walton, Clearwater, FL; Gary Mullis, Baltimore, MD; Robert P. Sowinski, St. Clairsville, OH; Peter Sawatzky, Waterloo, Ont. and me the editor Tom Vingling, Baltimore, MD. This was an all FM QSL month with new reporter of Michael Dalton of Florida. It's nice to get a new reporter. I hope everybody saw that tropo opening on 8-21 & 24 for it was super, just super for me. If you can send in a report, also state what kind of receiver & antenna used. This may be interesting to the other members what brand names are used the most, and etc. 73's for now, Tom

Robert Goodman 5129 W. Roosevelt Road Apt. B7 Cicero, Illinois 60650 (CDT)					
July	14 Tr 2023	KRIN-32 IA	22 Tr 0800	WICS-20 IT	170
3 Tr 2335	WFFI-55 IN	Waterloo 240	0809	WLFI-18 IN	110
	Pt Wayne 140	thru local	0814	WRAU-19 IL	120
2340	WKOW-27 WI	2045 WPI-21 IN	0648	JLVY-32 FY	270
	Madison 120	Pt Wayne 140		CCI on 7	
	WFTV-15 WI 120	WKJG-33 IN 140	0700	WKYI-27 KY	310
4 0032	WISN-12 WI 90	WFFT-55 IN 140	0714	WXIX-19 OH	
0800	WZZM-13 MI 130	2105 WIPB-49 IN 160		Cincinnati 250	
0815	WICS-20 IL	2130 WTVP-47 IL	0741	WVQ-62 KY	
	Springfield 170	Peoria 120		Lexington 310	
0820	unID-29 WGLU?	2138 WFON-52 KY		MIU-30 IN	
0835	WFFI-55 IN 140	Owenton 280		Bloomington 190	
5 1845	KDUB-40 IA 160		0755	WGLU-29 MI	
1920	unID-32 CCI	August 11 Es 1130		Lavander City 230	
2000	WKYI-20 IN	17 Tr 0740		unID-38	
	Indianapolis 160	WMBD-31 IL 120		0819	WTV-4 IN
2028	WHMB-40 IN 160	WSEK-25 IL			Indianapolis 160
2100	WTHR-13 IN 160	Peoria 120		0820	unIDs on ch 3
2108	WLFI-18 IN	0755 Madison U's		0828	WCET-48 OH 250
	Lafayette 110	Indianapolis U's		0832	unID-42
2140	WIPB-49 IN	0759 WIPB-49 IN 160		0852	WUAB-43 OH
	Muncie 160	0805 WFFI-55 IN 170			Lorain 310
2205	WKAR-23 MI	0810 PRIN-32 IA 240		0907	WKRP-22 OH
	W Lansing 180	0821 unID on ch 27			Dayton 220
2245	WVVS-56 MI	0823 WICD-15 IL			o/WSBT-22
	Detroit 240	Danville 120			"had to leave"
2336	WKOW-27 WI 120	0834 WICS-20 IL 170		2230	WUAB-43 OH 310
6 0000	WKJG-33 IN	0852 WLKY-32 KY 270		2257	WGLE-30 OH
	Pt Wayne 140	0939 WCEI-48 OH			Toledo 220
0015	WGBD-50 MI	Cincinnati 250		2258	WSPD-13 OH
	Detroit 240	unID-16 o/WNU			Toledo 220
0800	WLKY-32 KY	2200 WTVP-47 IL 120		0001	WKBD-50 MI 240
	Louisville 270	2210 WMBD-31 IL 120	24	0042	WLIO-35 OH
12 Es 1800	WEDU-3 FL 1000	2219 WKON-27 WI 120			Lima 200
13 Tr 1926	WOLV-8 MI 130	WMTV-15 WI 120		0125	WKBN-27 OH
14 1730	KDUB-40 IA 160	WICD-15 IL 120			Youngstown 370
	WHMB-40 IN 160	unID-16		0139	WGPR-62 MI
1909	unID-30 WATU?	2335 KDUB-40 IA 160			Detroit 240
1919	WGBD-31 IL 120	0040 KRIN-32 IA 240		2145	WOTV-8 MI 130
1920	WFTI-20 IN 160	0700 WLKY-32 KY 270	30		WICD-15 IL 120
	WICS-20 IL 170	0705 WBAK-38 IN 170			Indianapolis 13, 20, 40
	unID-4 CCI	0715 WKYT-27 KY			Milwaukee 4, 6, 12, 18, 36
1953	WLFI-18 IN 110	Lexington 310			"logs of 6,8,12 rare while locals on..."
2000	WHA-21 WI	0730 WDRB-41 KY			
	Madison 120	Louisville 270			
	WKOW-27 WI 120	0800 WVEY-25 IL 120			
		Indianapolis U's			

"The hiatus in tropo logs between mid-July and mid-August is no artifact; I looked but didn't find, with even close stuff rare in that interval. But I can't complain, with the best tropo results I've ever had. IDs were guesswork on the morn of August 17, with PBS stns showing assassination hearings in continuous program—nonID. Trope of August 21-23 had characteristics of high pressure effect (see 'Bob's Tek-Notes', June 1976), with elevated layer/duct as a probable large component. There was high pressure in area; long catches were made; there was a 'skip' effect, with farther stns overriding closer ones; conditions persisted day and night; and the time of the year was typical. Low band was also in, which is more typical of reflection than of ground-based ducts." Equipment: "candle-power receiver", monopole antenna for VHF, 2-bay bowtie for UHF.

Frank Wheeler 6589 Wattsburg Road Erie, Pennsylvania 16509 (EDT)					
August	10 Es 1227	WL-4 LA 1005	13 Tr 0858	WILX-10 MI	232
1 Es 1530	WTHS-2 FL 1098	1300 CBHT-3 NS 804		WXON-20 MI	154
	1600 WPT-2 FL 1098	1302 CJCB-4 NS 1020	15 Es 1900	WPBI-2 FL	1098
5 2158	ECKT-2 KS 1015	1319 CKCW-2 NB 820	16	1350 KBTX-3 TX	1199
10 1100	WTHS-2 FL 1098	1300 KTBS-3 LA 1005		WBEI-2 FL	1098
	1200 WEDU-3 FL 994	1301 KPRC-2 TX 1210	22 Tr 0645	WILX-10 MI	232
	1210 WSHK-2 FL 902	1320 KHS-2 AR 825	27	0835	WILX-10 MI 232

"Missed a good tropo opening in the wee hours, but too tired to get up."

Robert Kramer		1409 Mae Smith		Grinnell Hall		SIU Carbondale, Illinois 62901	
(At Chicago QTH:)		20 Tr		2014		21 Tr	
August				WYUR-48 AL		1822 KYIN-24 IA 500	
13 Tr		2200 WHMU-13 MI 335		Huntsville		1855 WBBR-4 IL	
2325		WJMN-3 MI		2020 WKOW-27 WI 400		Rock Island	
Becanaba 278		2026 WHN-19 AL		Huntsville		1900 Chicago U's	
2345 WBAU-13 WI 288		2029 KSTH-27 IA		Sioux City 550		S Bend U's	
14 0000 WREX-13 IL		2031 KYIN-24 IA		Huntsville		1902 WTVT-36 WI 400	
like a local		2031 Wason City 500		1955 WFLV-18		Milwaukee 400	
0037 KLLC-10 MN		2040 WFLA-31 WI		1956 WWS-56 MI 450		WGPR-62 MI	
Rochester 296		La Crosse 450		2017 WLUK-11 WI 475		2019 WGTU-29 MI 524	
0100 WTCN-11 MN 360		2044 WGLU-29 MI 524		2022 WFPF-55 IN 450		2024 WPNB-38 WI 475	
0108 KEYC-12 MN		2052 WHVC-28 WI		2110 WWRN-20 WI		2140 WQVC-35 MI 430	
Mankato 363		Colfax 575		2112 K33AA-33 IA		2144 WUAB-43 OH	
0200 WCGO-4 MN 360		2115 WEAR-23 MI 430		2116 WAAV-31 AL		2149 WBBR-28 PA 775	
2030 WHMU-13 MI 335		2130 WQVC-35 MI 420		2148 WVIA-44 PA		2202 WPGH-53 PA	
15 0100 WBAU-13 WI 288		2131 KTTN-21 IA		2220 WDAU-22 PA		2255 WTMU-13 MI	
0115 KRGG-13 MO 335		2142 WHIQ-25 AL		2239 WHMA-40 AL		Marquette 640	
0125 KFVS-12 MO 332		Huntsville		Anniston		2257 WREX-13 IL	
0200 KCCI-8 IA 315		2148 WVIA-44 PA		2250 WSKG-46 NY		2355 WOI-5 IA	
17 0305 KCCI-8 IA 315		2148 WVIA-44 PA		2250 WSKG-46 NY		0001 WUHQ-41 MI 400	
(In Carbondale IL:)		2148 WVIA-44 PA		2250 WSKG-46 NY		1724 WFBQ-42 OH	
18 0014 Chicago U's 302		2148 WVIA-44 PA		2250 WSKG-46 NY		1726 WKIX-19	
W49AA-49 IL 150		2148 WVIA-44 PA		2250 WSKG-46 NY		Newport 330	
0025 WGN-9 IL 302		2148 WVIA-44 PA		2250 WSKG-46 NY		1742 WMBL-33 WV	
0725 Rockford U's		2148 WVIA-44 PA		2250 WSKG-46 NY		Huntington 450	
WHA-21 WI		2148 WVIA-44 PA		2250 WSKG-46 NY		1850 WUAB-43 OH 500	
Madison 400		2148 WVIA-44 PA		2250 WSKG-46 NY		1852 WFPF-55 IN 450	
0726 KDUB-40 IA		2148 WVIA-44 PA		2250 WSKG-46 NY		1905 Lexington U's	
Dubuque 310		2148 WVIA-44 PA		2250 WSKG-46 NY		WLEX-18 KY	
0728 W49AA-49 IL 150		2148 WVIA-44 PA		2250 WSKG-46 NY		Lexington	
0733 WKOW-27 WI 400		2148 WVIA-44 PA		2250 WSKG-46 NY		Louisville U's	
0739 KRIN-32 IA		2148 WVIA-44 PA		2250 WSKG-46 NY		1907 WVVU-24 WV	
Waterloo 360		2148 WVIA-44 PA		2250 WSKG-46 NY		Morgantown 600	
1952 WSJV-28 IN 435		2148 WVIA-44 PA		2250 WSKG-46 NY		1910 WOUK-44 OH	
Chicago U's 302		2148 WVIA-44 PA		2250 WSKG-46 NY		Cambridge 400	
1955 S Bend U's 430		2148 WVIA-44 PA		2250 WSKG-46 NY		WNEO-45 OH	
2004 WCAE-50 IN		2148 WVIA-44 PA		2250 WSKG-46 NY		Alliance 400	
2009 WFPF-55 IN		2148 WVIA-44 PA		2250 WSKG-46 NY		1913 WOSU-34 OH	
Pt Wayne 450		2148 WVIA-44 PA		2250 WSKG-46 NY		Columbus 350	
2037 Pt Wayne U's		2148 WVIA-44 PA		2250 WSKG-46 NY		1916 WKRC-12 OH	
except 15 450		2148 WVIA-44 PA		2250 WSKG-46 NY		Cincinnati 325	
2125 W49AA-49 IL 150		2148 WVIA-44 PA		2250 WSKG-46 NY		1925 WOVN-54 KY	
2128 W49AA-49 IL 150		2148 WVIA-44 PA		2250 WSKG-46 NY		Covington 325	
Bloomington		2148 WVIA-44 PA		2250 WSKG-46 NY		1935 WFPF-45 MD	
2130 WIFR-23 IL 305		2148 WVIA-44 PA		2250 WSKG-46 NY		Baltimore 675	
2131 WKOW-27 WI 400		2148 WVIA-44 PA		2250 WSKG-46 NY		2016 WDHO-24 OH 450	
2200 WUHQ-41 MI 400		2148 WVIA-44 PA		2250 WSKG-46 NY		2056 KEJG-33 IN 450	
1105 W49AA-49 IL 150		2148 WVIA-44 PA		2250 WSKG-46 NY		2116 WBGU-57 OH 450	
2005 W49AA-49 IL 150		2148 WVIA-44 PA		2250 WSKG-46 NY		2135 WPTA-21 IN 450	
2039 WSNB-44 IL 302		2148 WVIA-44 PA		2250 WSKG-46 NY		2212 WTVT-36 WI 400	
20 0650 W49AA-49 IL 150		2148 WVIA-44 PA		2250 WSKG-46 NY		2347 WLTQ-35 OH	
Nashville		2148 WVIA-44 PA		2250 WSKG-46 NY		Lima 450	
1905 WRO-13 IA 360		2148 WVIA-44 PA		2250 WSKG-46 NY		0037 WKBD-50 MI 450	
1909 Chicago U's 302		2148 WVIA-44 PA		2250 WSKG-46 NY		WGPR-62 MI 450	
1913 KJZZ-23 KY		2148 WVIA-44 PA		2250 WSKG-46 NY		0043 WANE-15 IN	
Elizabethtown		2148 WVIA-44 PA		2250 WSKG-46 NY		Pt Wayne 450	
1915 S Bend U's 430		2148 WVIA-44 PA		2250 WSKG-46 NY		0048 WGN-9 IL 302	
1925 WCAE-50 IN		2148 WVIA-44 PA		2250 WSKG-46 NY		0052 WJTV-11 IL 302	
1934 WKBD-50 MI 450		2148 WVIA-44 PA		2250 WSKG-46 NY		0100 WRTV-6 IN	
W49AA-49 IL 150		2148 WVIA-44 PA		2250 WSKG-46 NY			
1940 KRIN-32 IA 360		2148 WVIA-44 PA		2250 WSKG-46 NY			
1948 WUHQ-41 MI 400		2148 WVIA-44 PA		2250 WSKG-46 NY			
1958 KRIN-36 IA		2148 WVIA-44 PA		2250 WSKG-46 NY			
Red Oak 500		2148 WVIA-44 PA		2250 WSKG-46 NY			
2002 KBMA-41 MO		2148 WVIA-44 PA		2250 WSKG-46 NY			
2006 KDUB-40 IA 310		2148 WVIA-44 PA		2250 WSKG-46 NY			
2010 WACI-45 IN		2148 WVIA-44 PA		2250 WSKG-46 NY			
Chattanooga		2148 WVIA-44 PA		2250 WSKG-46 NY			

August		23 Tr 1108		25 Tr 2305	
0100	WMAQ-5 IL		like a local	2308	K59??-59 IA
	Chicago 302		WUHQ-41 MI 400		WHO-13 xltr
0115	KIVO-3 IA		like a local	2310	K74??-74 IA
	Ottumwa		WFTT-55 IN 450		WHO-13 xltr
0134	WJW-8 OH		like a local	2313	K33AA-33 IA 300
	Cleveland 500		WGPR-62 MI 450	2314	K76??-76 IA
	NEWS-5 OH	2150	Detroit U's		WOT-5 xltr
	Cleveland 500		except 20 450		K78??-78 NE
	WKBN-27 OH		S Bend U's 400		KRTV-7 xltr
	Youngstown 490		WEAR-23 MI 430	2325	K18G-14 IA
0137	WLT-6 WI		WUHQ-41 MI 400		Sioux City 550
	Milwaukee 400		#GVC-35 MI 430	2350	KBIN-32 IA
0158	WMAJ-4 WI		Toledo U's 450		Council Bluffs 500
	Milwaukee 400	24	0444 WLWT-5 OH	26	0002 K56??-56 NE
0200	WISN-12 WI 400		Cincinnati 300		KMTV-3 xltr
	WCPC-9 OH	0455	WJBE-2 MI		K58??-58 NE
	Cincinnati 300		Detroit 450		WOWT-6 xltr
0215	WDR-2 OH	0515	WAVE-3 KY	0003	K60??-60 NE
	Dayton 320		Louisville		KRTV-7 xltr
1107	Madison U's	25	1902 KCPT-19 MO		K66??-66 NE
	like locals 400		Kansas City		KRTV-3 xltr
	South Bend U's		KEMA-41 MO	0010	KYNE-26 NE
	like locals 430	2252	KHIN-36 IA 500		Omaha 464
1108	WPNE-38 WI 480		"snowfree"	0055	WHO-13 IA 360
	WFLD-32 IL 302		KHNE-29 NE	0130	KRTV-7 IA 464
			Hastings 500		

Equipment includes Sony TV-131, VEP monopole, Radio Shack 2-bay bowtie for UHF. "Trop is really great down here, probably in part because I'm about 150 feet above ground. My room faces northwest, with good opening also to the north, northeast, with a secondary opening area to the southeast. I don't get very good reception straight south or southwest. It is really wierd not being able to get your local stations due to severe CCI. Not even WSIU-8, located only a mile from here, is immune. Nearly all the mileages listed are at best guesses. I won't be able to figure them out until I get home to my big atlas. All the xlt's logged on 8/25 & 26 are unIDed, because I couldn't bring my IV Factbooks down (there just wasn't room in the car). The Carbondale log now stands at 190 (all trop & groundwave). 73."

August	23	1r	0610	WCHI-10 IL	23	1r	0630	WLKY-32 KY
	23	1r	0600	WCIA-3 IL			0700	(WKJG)-33 IN
				WTWC-2 IN				KOTC-27 MO?
			0630	KSD-5 MO				
				WIGD-15 IL				

*Not much, only best troops I've seen! 73!"

[illegible]

"I was amazed at the intensity and duration of this tropo. I've logged the Scranton/Wilkes-Barre U's before but never as strong. I'm puzzled by the channel 15 logging on the morning of the 21st. Does anyone know if WJAP-15 is still an affiliate of NBC? 73."

"Little Rock AR my longest VHF pick-up. Springfield MO longest UHF. Pikeville KY was in all day--and strong. Never saw Toronto 9, Pittsburgh 13, St. Louis 30, Urbana 12, Louisville 15, Cape Girardeau 12, Rockford 13 as strong as they were at times!!! One morning saw Dayton 7 ID through JATZ-7...wow!"

"The '78 Es season had ended and it turned out to be somewhat less than exciting, or, in other words a big 'dud'. Troop activity finally came alive with the opening of August 20-22,"

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July	22	Es	1900	WESH-2	PL	1130	9	Es	2135	CHX-1-5	AA	1320	
14	2r	2040	WDRB-41	KY	437					WKY-27	KY	473	
	Es	2100	CKCK-4	SK	940	1915		10	4r	0735	WVQ-62	KY	473
			CKCK-2	SK	908	1927		12		2036	KMBG-14	IA	462
		2122	CJFE-5	SK?	↓						KLIN-27	IA	462
			CKCK-5	SK?	↓	1950				2054	KYNE-26	NE	481
	4r	2219	WCP-55	AN	610	23	0838				KBIN-32	IA	476
		2232	WFLR-14	IN	420	24	4r	2010			KHIN-36	IA	457
			WHEH-25	IN	420					2100	KHNE-29	NE	617
			WUSI-16	IL	402					2118	KXON-5	SD?	↓
			WVU-22	IN	405					2118	unID 2-5	S.W.	
	Es	2300	unID-3	west					4r	2130	KTV-4	IA	462
			"NBC delayed							2205	KDSD-16	SD	538
			2 hours"								KAV-15	MN	288
16	4r	0550	WAKR-23	OH	380						KONE-19	NE	525
			WYTV-33	OH	420	2030				2245	KBSD-8	SD	455
			WHLZ-18	OH	400					2331	KUSD-2	SD?	↓
			WXLX-19	OH	400						KPLC-6	SD?	↓
	0604		WKBN-27	OH	473	2043					KAAL-6	MN	288
			WKY-27	KY	473						KDLO-3	SD?	↓
			WLEY-18	KY	473	2050				2337	KPRY-4	SD?	↓
	0615		WUW-29	NY	445	2058				0715	KMBG-14	IA	462
	0620		WVQ-62	KY	473	2124			13		WJIO-10	MN	286
			WKY-32	KY	437						KBWA-41	MO	525
			CHGN-22-22	ON	413	2245					K-ASB-27	KS	560
	0636		WQLN-54	PA	504	2310				0744	KCBJ-17	MO	450
	0640		W46AB-46	NY	409	0545				0820	KIM-3	IA	300
			WNEB-17	NY	445					1030	KCP-19	MO	525
	0645		WUFS-16	NY	600						KCMQ-5	MO?	↓
			WNPI-18	NY	615						K-IV-4	IA	462
	0650		WCFB-57	NY?	↓	0600					KDAL-3	MN	286
			10 CCI WBTV			0611					KBJR-6	MN	286
			CICA-19	ON	410	1852					K-CA-2	MN	280
			WJR-24	PA	405					1115	K-CTN-21	IA	365
			CHP-44	ON	458						KLIN-27	IA	462
	0739		CBLE-25	ON	410						KHIN-36	IA	457
			W17AA-17	OH	309					2101	K24??-24		
	Es	1600	WCEB-2	SC	916						"rebroadcast-		
17	4r	0610	WYTV-33	OH	420	2105					ing KUN-12"		
			WKBN-27	OH	420	2150				2127	KDSD-16	SD	538
			WFMJ-21	OH	420					2139	KYNE-26	NE	481
	2000		WQLN-54	PA	405						K-ASB-27	KS	560
			WJE-24	PA	405	27					KBWA-41	MO	525
			WU-29	NY	445					2158	KKLO-11	SD	460
Es	2048												

William J. Draeb (continued)

August		20 Tr		1820		WKPE-16 NY 600		21 Tr		1208		WAIM-40 SC? T	
19 Tr	2100	KFVS-12 MO 512		1833	WCER-57 NY? T			1212	WEBA-14 SC? T			LAU-26 GA? T	
	2250	WKMU-21 KY? T		1840	WBJA-34 NY 600								
		WDRB-41 KY 437			WICZ-40 NY 600			1747	WCET-48 OH 400				
		WKPC-15 KY 437			WSEG-46 NY 600			1930	WKSC-29 KY 538				
		KDNL-30 MO 432			WJBT-24 PA 405				WKHA-35 KY 551				
		WKYI-27 KY 473			CKCN22-22 ON 413				WFMJ-21 OH 420				
	2326	KMGH-27 MO 588		1933	WXYI-21 NY 500				WKEN-27 OH 420				
		KTVF-29 AR 683		1951	KMEG-14 IA 462				WYTV-33 OH 420				
	2336	KLVJ-16 MO 633			KSIN-27 IA 462				WJBT-24 PA 405				
20	0527	KPLR-11 MO 432			KYNE-26 NE 481				WSEB-35 PA 405				
		CKNC-9 ON 350			KPTW-40 AR? T				WQIN-54 PA 405				
		CKNC1-7 ON 270		2001	WMUL-33 WV 498				WNEP-16 PA 630				
		CBFS13-12 270		2011	WLCI-45 TN 671				WDAU-22 PA 630				
	0540	WKRC-12 OH 400			WRIP-61 TN 671				WBFB-28 PA 630				
	0546	WGEN-10 IL 378			WHNT-19 AL 685			1959	WVWV-24 WV 513				
	0550	WHAS-11 KY 437			WYUR-48 AL 685				"snow free"				
	0553	WKYT-27 KY 473			WBWG-42 AL 768				WVIR-29 VA? T				
		KMGH-27 MO 588			WHIQ-25 AL 685				WPGH-53 PA 480				
	0559	WLEX-18 KY 473		2018	WEMA-40 AL? T			2058	WJNL-19 PA? T				
	0601	WXLX-19 OH 400			WUUC-44 OH? T			2100	WRBT-33 LA? T				
		WOWL-15 AL		2030	WPRO-42 OH 461				WCTE-22 TN? T				
		Florence 675		2036	WEBA-14 SC? T			22	0052	WPTF-28 NC 743			
	0604	WAAV-31 AL 685			WAYU-26 SC? T				"snow free				
	0856	KTVF-29 AR? T		2100	WKPT-19 TN 612				at s/off"				
		WKSO-29 KY 538		2112	WHRO-45 OH 406				WRBT-36 NC 736				
		WKZT-25 KY 473		2136	WTLQ-36 AL 675				WENY-36 NY 575				
		WKPD-29 KY? T		2150	WZTV-17 TN 585				WERB-28 PA 630				
0904		WKHA-35 KY 551			WEHT-25 IN 420				WDAU-22 PA 630				
		WKYI-32 KY 437		2245	WGHO-26 LA? T			0104	K33AA-33 IA 346				
		WKLB-46 KY 473		2318	KDNL-30 MO 432				"rebroadcast-				
		WTVQ-62 KY 473		2358	KCCB-18 NC? T				ing WISN in-				
		WEON-52 KY 437	21	0009	KBMA-41 MO 525				stead of KLIN,				
	1127	WKGB-53 KY 530		0011	KTVF-29 AR 683				snowfree"				
		WPTO-14 OH 365			WRBT-33 LA 1002			0125	WZTV-17 TN 585				
		WPTD-16 OH 368			WKEN-27 OH 420				"snow free"				
		WEER-22 OH 368			WERB-28 PA 630				WEHT-25 IN 420				
		WKPC-15 KY 437			WCHL-15 AL 675				WVIA-44 PA 630				
		WDRB-41 KY 437		0040	KLAA-14 LA 877				"snow free &				
1147		WKPI-22 KY 554		0740	WHTV-24 MS 852				very strong				
		WSVN-47 VA 610			WPLE-14 IN 420				WUTV-29 NY 445				
1153		WKYH-57 KY 551			WZTV-17 TN 585			0141	"The following				
1232		WGPT-55 TN 610			WEHT-25 IN 420				WVIA xltre:"				
1242		WTVK-26 TN 626			WAAV-31 AL 685				W63AB-63 PA				
1540		WFMJ-21 OH 420			WYUR-48 AL 685				Mansfield				
		WKRN-27 OH 420			WHNT-19 AL 685				W65AA-65 PA				
		WTVV-33 OH 420			WHIQ-25 AL 685				Canton				
1549		WEAO-49 OH 380			WKMA-35 KY 499				W64AE-64 PA				
		WPGH-53 PA 480			WKSO-29 KY 538				Susquehanna				
1557		W17AA-17 OH 309			WKON-52 KY 437				W72AT-72 PA				
1627		WVTV-53 VA 630			WKGB-53 KY 530				E Towanda				
		W63AB-63 OH? T			WTVK-26 TN 626			0152	WTHN-17 GA 768				
1725		WVPT-51 VA? T			KLAA-14 LA 877			0159	WANC-21 NC? T				
		WVIR-29 VA? T			WRBT-33 LA 1002			0208	KMPC-27 MO 588				
		WQIN-54 PA 405			WLCI-45 TN 671	0800		0220	CHNB-4 ON 413				
1739		GICA-19 ON 410			WKYT-27 KY 473				CKNY-10 ON 413				
		CBFLP-25 ON 410			WTVQ-62 KY 473				CHLAT-8 ON 413				
		CTAT-79 ON 410			WLEX-18 KY 473				CHFT-7 ON				
		CBFLP-76 ON 345			WGPT-55 TN 610				CBFS13-12 ON 270				
		"unIDed xltre		0809	WHAV-18 MS 715				CBFS14-13 ON 350				
		on chs 56 & 76"		0818	WPIQ-36 AL? T				CKNC-9 ON 350				
1800		WEER-28 PA 630			WMAV-14 MS? T				CKSC-5 ON 350				
		WDAU-22 PA 630		0850	WAPT-16 MS 865				0232	KPLR-11 MO 432			
		WNEP-16 PA 630		1111	WPTF-28 NC 743					WKRC-12 OH 400			
		WQEX-16 PA 480			"snow free"				0616	WLSL-10 VA 663			
		WUTV-29 NY 445		1125	WLOL-25 SC? T					"snow free"			
		WNED-17 NY 445			"ABC program"					WVAP-15 WV 476			
		WJAN-17 OH 395			WKYH-57 KY 551					WHIZ-18 OH 400			
		WHIZ-18 OH 400		1204	WHIQ-25 AL 685					WVIA-44 PA 630			

William J. Draeb (continued)

August		22 Tr		2046		T		25 Tr		1645	
22 Tr	0616	WPGH-53	PA 480	2100	WVU-24	WV	513			W26AA-26	NY 446
		WDAU-22	PA 630	2115	WYH-15	PA?	T			WUTV-29	NY 445
		WENY-36	NY 575		WYIV-33	OH	420			WFMJ-21	OH 420
		WVWQ-62	KY 473	2301	WFLR-14	IN	420			WJBT-24	PA 405
		WKYI-27	KY 473	23	2000	WFLJ-21	OH 420			WSEB-35	PA 405
		WHEP-16	PA 630			WKEN-27	OH 420			WQLN-54	PA 405
		WJBT-24	PA 405			WYIV-33	OH 420			WBAC-49	OH 380
0647		WGPC-38	PA			WVUT-22	IN 405			WNEO-45	OH 406
		Altoona	537			WKYI-27	KY 473	1721		WMUL-33	WV 498
		WTCZ-40	NY 600		2002	WMUL-33	WV 498	1726		WTPR-16	NY 600
		WSEK-46	NY 600			WPGH-53	PA 480	1845		WCVN-54	KY 407
0746		WLV-39	PA 685			unID-50	S.B.			WKON-52	KY 437
		WSEA-43	PA 634	2014		WEAS-25	KY 486			WCBT-48	OH 400
2046		WPGH-53	PA 480	2025		WFLP-28	NC 743			WYIX-19	OH 400
		WAP-15	WV? 2	2027		WVU-24	WV 513			WFO-42	OH 461
		WKEN-27	OH 420	2030		WQEX-16	PA 480	1930		WPGH-53	PA 480
		WFLJ-21	OH 420	2118		WJNL-19	PA? T			WTVQ-62	KY 473
		W31AA-31	OH 400			WHIZ-19	OH 400			WGLE-46	KY 473
		WPA-27	PA? T	24	2056	FSIN-27	IA 462			WKYT-27	KY 473
		WNJS-23	NJ? T			KHIN-36	IA 457			WDRB-41	KY 437
		"WKAR off for 6 weeks due to xmtr fire"		2104		KSCI-17	IN 280			WLKY-32	KY 437
				25	1645	KDSB-16	SD 538	2045		KHIN-36	IA 457
						WNED-17	NY 445	2200		WQEX-16	PA 480
								2024		WMUL-33	WV 498

"It's nice to have a good tropo opening but one that lasts for 3 days is hard on me and the other things that have to be done. Let's hope the next one is of shorter duration and not as hectic, hi!"

Donald B. Ruland 4448 68th Place Kenosha, Wisconsin 53142 (CDT)

August		23 Tr		1230		400		24 Tr		0525	
23 Tr	0630	Louisville U's		1300	WETA-26	DC				WNEP-16	PA 630
		Lexington U's			Washington	630			0532	WPRE-28	PA 620
		Youngstown U's			WDCA-20	DC 630			0550	WFMJ-21	OH 380
		Cleveland U's			WKBS-48	PA 670			0600	WHAG-25	OH 380
0730		WPGH-53	PA 430	24	0445	WTRF-7	WV 420	25	1830	WKON-52	KY 330
		WMUL-33	WV 420			WTRF-11	PA 430			WCVN-54	KY 310
		WKYH-57	KY 440			WRC-4	DC 630			WFO-42	OH 370
		WOSU-34	OH 320			"first time via tropo;				WCBT-48	OH 300
		WFO-42	OH 370			previously by Es & MS"		26	0600	WPGH-53	PA 430
0830		WERT-36	NC 640							WKEN-27	OH 380
		WCBT-48	OH 300							WTV-33	OH 380
1100		WVU-24	WV 450		0515	WJBT-24	PA 400			WPGH-53	PA 430
										WAKR-23	OH 340

Roger Gravelle 60 Valerie Street St. Thomas, Ontario N5R 1A8

"Here is my DX for July 15-August 8—not much—I guess I'm guilty of no time syndrome. Just got my 72' Delhi tower back up. On January 26 '78 135 mph winds took it over along with my back door and parts of my west porch and house eaves. Ouch! Barometer was below 28 inches!!! Static so bad that even local AM radio station CHLO unpleasant to listen to—it was on and off the air six times in 2 minutes. Finally all AM and FM locals off except 2. Unreal. Then my power went off for 28 hours. With wind, chill factor was 150° below zero. Damn near froze! CHLO had one tower blow down and had to go back on air with 1000 watts due to weird signal pattern. I now have a Blonder Tongue CMA-Up amplifier with a 5' dish (Delhi Para 5) at 76' with .412 lead in that Mark Lewis sold to me. Wow! What a difference on UHF. No VHF antenna yet! Log:

July
21 Tr 1800 WFO-38 IL with CCI; WNDU-16 IN; WBGU-57 OH; all northern Ohio area excellent: Youngstown, Alliance, Akron, Columbus, Canton, Toledo, Lima.

Cleveland 43 now grade 'A' most of time. 20, 50, 62 Detroit very good. CITY-79 and CHLFT-78 fair. Logged ch 64 Ashtabula xlr of WVIZ...in all the time. Found out its omni directional ERP is 14600 watts at 316' AAT. CHLFT-25 kicks in WVIZ's xlr so I end up with more bloody French channels. Help! Also, ch 67 xlr of WVIZ at Thompson OH (near Painesville), 44600 ERP, 150' AAT, directional lobes at 264° and 352°. Tech info courtesy Ralph Campbell, chief engineer of WVIZ. He looks after 12 transmitters! Have had fantastic results with reception on new system. I am putting up a Delhi 1047 with a Blonder

Roger Gravelle (continued)

Tongue Skylark VHF amp soon (couple of wee's) I hope. Plan to side mount Delhi 10TPI with another rotor. Also have UB antenna at '96' at present. Hope everyone enjoyed Louisville. Sorry I was unable to attend due to Ford Motor Company 'change of model year.' "Issed going very much. 73's to everyone."

Robert S. Ross Box 4373 Jtn. C London, Ontario N5W 5J2 (3T)

<u>April</u>			<u>May</u>			30 Es		<u>June</u>			30 Es		<u>July</u>			30 Es	
24 Tr	----	WVVS-56 'I 120	29 Es	----	WDIQ-2 AL 900												
		<u>CICC32-32 OK</u>			<u>June</u>												
					30 Es	----		<u>WBRE-2 LA 1200</u>									

William R. Hepburn 5659 Highland Avenue Niagara Falls, Ontario L2G 4X4 (ED)

<u>June</u>			26 Tr	0823	WXYT-25 'I 245	14 An	2150	unID 2-5	HNW
20 Es	1742	MUF ch 6		0825	CBLEP9-68 CN	15	0707	unID 2-5 W.	
	1745	WXYT-2 NC? T			Barrie		0717	unID-5 N.	
	1828	KATV-3 NE 870		0827	CFB 29-29 CN	16	0727	WYCO3-42 CN	
	1829	KUSD-2 SD 900	Es	1030	MUF ch 4			WYCO3-5 MI? T	
	1832	KTV-4 IA 860	27	2123	MUF ch 4		0746	WYON-20 MI 210	
	1837	KPLC-6 SD 1020	29 Tr	0730	WAKR-23 OH 185		0747	WYED-50 MI 210	
	1841	KDLC-3 SD 905		0731	WUAB-43 OH 195			WVVS-56 MI 210	
	1857	KOTA-3 SD 1195	30 Es	0721	WCB3-2 SC			WYER-62 MI 210	
	1911	KWVO-3 IA 705			Charleston		0753	WXYZ-7 'I 210	
	1930	WYAT-3 NC 630		1229	WEDU-3 FL 1090			WYER-9 ON? T	
	2048	unID-5 'ACF'		1234	WBR2-2 LA 1125			WYER-12 MI? T	
	2053	KYIV-3 MO 850		1311	MUF ch 6			WYER-16 NY 175	
	2100	KOEL-3 OK 1045		1637	EYTV-3 MO 850			WYER-7 NY 185	
	2103	KTVI-2 MO		1700	KCEI-3 CK 1045	Es	1933	unID-2	
		St Louis		1758	KAPC-3 LA 1170	18 Tr	0730	CBOR-4 ON 230	
	2145	KWMB-6 NE? T		1833	WYGE-2 MI? T		0731	CKSC-5 ON 255	
	2158	KYOK-4 MO? T	<u>July</u>				0734	WYAT-7 NY 185	
	2219	WOC-6 IA? T	1 Es	1010	MUF ch 4			unID-8 u/WROC	
21	1122	KNCR-2 NE	2	"weak ch 2"			0740	CKGN2-2 ON	
		N Platte	5	1200	"peak WYF ch 5"		0744	WXYT-7 MI 210	
		MUF ch 5	6 Tr	0725	WYNY-7 NY 185		0745	WYER-23 OH 185	
	1128	KWTS-3 CO		0727	CBET-9 OH? T		0755	CKAS-11 ON	
23	"weak ch 2 Es"			0729	WYBK-2 MI? T			"snow-free"	
25	1029	WEDU-3 FL 1090		0733	unID-5 MI		0705	unID-5 N.	
		WEAR-3 FL 1010		0807	WYER-5 MI			CKGN29-29 ON	
		WYER-5 AL? T			Bay City		0717	WYER-10 MI	
		KYAL-6 IA? T	Es	"CCI thru-out day				Lansing	275
	1057	WBRC-6 AL? T		w/many unIDs 2-6"			0718	WYER-23 OH 185	
	1059	WYER-3 MS	7 Tr	0709	WXYT-7 MI 210			WYER-25 OH? T	
		Jackson	12 Es	1017	MUF ch 5		0720	CKCO3-42 CN? T	
26 Tr	0734	WYED-50 MI 210		1240	WEDU-3 FL 1090			WYER-43 OH? T	
		WYER-62 MI 210		2002	ICR2-2 GUBA? T		0722	WVVS-56 MI 210	
	0738	CKCO3-42 ON	14 Tr	2136	WYER-21 OH 160			WYER-62 MI 210	
	0747	WYER-16 NY 175			WYER-23 OH 185	20	0730	CKSC-5 ON 255	
	0752	WYON-20 MI			WYER-25 CH 170		0732	WYER-5 MI 240	
		Detroit			WYER-27 OH 160			WYER-62 MI? T	
	0820	WYER-18 NY 230			WYER-43 OH 195			CKCO3-42 CN? T	
	0822	WXYZ-7 MI 210			unID-63 SBT		0850	CKGN29-29 ON? T	

"Where has all the B-skip gone? Only one date in July with identifiable skip which included reception of a strong Cuban channel 2. Positive ID was not possible. Tropo has been better this year than last, especially lately. With local channel 5 in Toronto not showing best patterns until 0800, channel 5 is wide open for DX. This has accounted for daily reception of NEWS Cleveland and WTVH Syracuse as well as DX loggings of WYER Bay City and CKSC Sudbury all at the same time and all with strong CCI-free signals. Log now at 153 (115 VHF, 38 UHF) from 24 states and 6 provinces with probable Mexico and Cuba. 73s and gud DX."

Doug Long 5062 Drummond Road Niagara Falls, Ontario L2E 6E4 (EST)

"Some fairly good Es on my Channelmaster H5179. However, the tropo has much to be desired. Due to the low MUFs I have only logged 11 channel 6 stations. On three occasions airplane scatter was seen, however no IDs. I wish I could go without sleep as well as Pat Dyer; you won't see any 0300 loggings in my report."

[illegible]

Thomas J. Yingling, Jr.		221 Pinewood Road Baltimore, Maryland 21222 (EDT)	
August		24 Tr 0000	
6 Tr	2300 WQVE-23 VA	21 Tr	2200 WUTR-20 NY
	2315 WAKR-23 OH		Utica
14	2030 WICZ-40 NY 200		"WDCA-20 off the air for two hours.
	WENY-36 NY		What luck!"
	WBJA-34 NY		2215 WXON-20 MI
15	2100 WVPT-51 VA		Detroit 425
	W41AB-41 VA		2219 WKPT-19 TN
	W42AC-42 VA		Kingsport 360
20	0030 (WVPT-51 xltrs)		2225 WDCB-19 MA
	W5BA-43 PA		2230 WAKR-23 OH
	"rare"		WKMR-38 KY
	W2VG-68 NJ		Morehead 350
	Newark		2350 WRDH-24 CT
	0100 WVIR-29 VA		WSKG-46 NY
	W67AP-67 VA		Binghamton
	Staunton	23	2200 WTVL-33 WV
	(WVIR-29 xltr)		Huntington 375
	0130 WPTF-28 NC		"over W1AP-33"
	Durham		2230 WVVU-24 WV
21	2000 CBLT-25 ON		Morgantown
	Toronto 350		2300 WFLD-32 IL
	"over WHAG-25"		Chicago 625
	CICA-19 ON		WKBN-27 OH
	Toronto		"over W1PA-27"
	2030 WUTV-29 NY 300		WKBD-50 MI
	"over W1AP-29"		Detroit 425
	2100 CITY-79 ON		2330 WCPG-38 IL
	Toronto		Chicago 625
	W1NY-24 NY		WPGH-53 PA
	Syracuse 250		Pittsburgh 250
	CBLT-24 ON		2345 WQPR-62 MI
	London 375		Detroit
	2115 WNPB-16 NY		WUAB-43 OH
	Watertown 325		Lorain
	2130 WCFE-57 NY		2350 WHA-21 WI
	Plattsburgh 400		Madison 750
			September
			2 Tr 2030 WRDH-24 CT
			3 2345 WZNE-25 MA
			Boston
			W1VI-56 MA
			0020 WLKY-32 KY
			Louisville 475
			0045 WGBT-22 IN
			0148 WKBN-27 OH
			0150 WSEB-35 PA
			Erie

Equipment includes Sony KV-1214 12" color set, Finco 5' dish for UHF with RCA 10W70T rotor, Blonder-Tongue CMA-Ub UHF preamp. "This was the most fantastic tropo I have ever seen, for on 4 days I got 32 new UHF stations; 7 new states and Canada on UHF-TV. I'm now using a BT CFA-Ub preamp, and from what I find it is better than the Winegard AC-4990, although the AC-4990 is good. Don't know how many more stations I would have gotten that one morning, I only got 2 hours of sleep, but it was well worth it to me. 73's"

John F. Combs 2485 Ivan Court Orlando, Florida 32807 (BDF)

June			19 Es	0950	WFLV-5 WV	28 Es	2126	XEZ-3, XHD-4	
6 Es	1052	KQV-2 MO 1089			Weston 735		2131	XHGC-5 DF? T	
	19354	"CGI chs 2"		1020	KXAS-5 TX 967			XHAJ-5 Ver? T	
	2100	WVJ-4 MI? T		1040	CGI chs 2-4	Tr	2221	WCIV-4 SC 309	
		WJEB-2 MI? T			"had to leave"		2233	WCTI-12 NC 508	
9	2214	unID-2 u/WESH	20	2100	t/in "much		2235	WTNN-7 NC 526	
11	19004	"COM chs 2-4"			CGI & unIDs;	30 Es	0740	t/in	
	2038	CBOT-4 ON? T			f/out 21304"			KFDX-3 TX 1078	
	2041	CKGN-2 ON? T	24	0955	t/in "massive			KTVY-4 OK 1059	
12	0925	WMAR-2 MD? T			opening"	0748	WOI-5 IA 1145		
	0929	WRC-4 DC 760			WNBQ-4 NY 942	0752	KJAC-4 TX? T		
	1422	KTVY-4 OK 1059			WSTY-3 NY? T	0818	KXAS-5 TX 967		
	1454	unID-4 SS ETV			WTEV-6 RI? T	0858	KENT-3 NM 1482		
13 Tr	0722	WCWB-41 GA 318		1006	WCVB-5 MA 1100	0905	KFTI-5 TX		
Es	2131	KLIV-4 IA 1329		1008	WNBQ-5 NY 942			Labbeok 1270	
	2212	KQTV-2 MO 1089		1011	WTVH-5 NY? T	0907	KPRC-2 TX 857		
14	17004	"various		1015	WFSB-3 CT? T	0930	-1225 "I'm away"		
		2-6 unIDs"		1031	WCBS-2 NY 942	1225	KSNB-4 NE? T		
15	0844	KGBT-4 TX 1023		1042	WTV-2 NY? T		KCWO-5 MO 1048		
	0846	KIII-3 TX 978		1045	WTAZ-4 PA? T	1303	KHAS-5 NE		
	0904	KMID-2 TX 1267		1048	WFSX-3 PA? T		Hastings 1285		
	0920	KENS-5 TX		1050	WBZ-4 MA 1100	1304	WDAF-4 MO 1048		
		San Antonio 1025		1130	WGBS-2 MA	1305	KIHL-3 IA 1264		
	0928	KMOL-4 TX 1025			Boston 1100		KMTV-3 NE 1209		
	0930	-1630 "I'm away"		1153	KIII-3 TX 978	1315	-1540 "I'm away"		
	1723	KMOX-4 MO 861			KGBT-4 TX 1023	1540	WIMJ-4 WI 1069		
	1735	WOC-6 IA? T		1157	KBFB-3 IL 1185	1609	WFRV-5 WI 1133		
	1736	WOT-5 IA 1145		1201	KRGV-5 TX 1020	1624	XHD-4 Tams 1135		
	1738	KSD-5 MO 864			KRIS-6 TX		unID-5 SS		
	1809	WIMJ-4 WI 1069		1206	KBFB-2 Tams? T	1902	KPRC-2 TX 857		
		KTVY-4 OK 1059		1214	KWAB-4 TX? T	1905	KDFW-4 TX 967		
	1827	KTVI-2 MO? T		1222	X???-4 Yuc? T	2148	WOI-5 IA 1145		
	1850	WMAQ-5 IL 987			X???-5 Yuc?		"4 scads of unIDs"		
	1853	WFRV-5 WI? T		1232	WAPA-4 PR 1184	July			
	1905	WBBM-2 IL 987		1308	unID-3 MEXICO	1 Tr	1000	WCBD-2 SC 306	
16 Tr	2325	WIAZ-19 SC? T		1323	WORA-5 PR 1161			WCIV-4 SC 309	
	2331	WATU-26 SC 337			Tele-Rebelde-3			WITV-7 SC 309	
	2339	WRDZ-12 SC 337			CUBA 615	Es	1820	unID-2 20 CCI	
17	0700	WTOG-17 GA 398		1340	HISD-4 DR 1005	2 Tr	0825	NAGA-5 GA 403	
	0703	WFLA-11 GA 405		1417	ICR2-4 CUBA			WFLA-11 GA 405	
	0705	WANK-46 GA 403			Camaguey 555			WTCG-17 GA 398	
	0707	WYEA-38 GA 341		1500	WIFM-3 PR 1156			WETV-30 GA 403	
	0720	WHDH-18 AL? T		1600	YSU-4 E.S. 1160			WAIL-36 GA 403	
Es	1950	KFDX-3 TX 1078		1637	HISD-5 D.R.	5 Es	1507	unID-2 20 CCI	
	2017	KTVY-4 OK 1059			La Vega 925	6	1620	KTVI-2 TX 1267	
	2023	KCBS-3 LA? T		1700	"f/out"			KACB-3 TX? T	
	2036	KWAB-4 TX 1221	25	0940	YSR-2 E.S.? T			KWAB-4 TX 1221	
	2041	KDFW-4 TX? T		1030	HRN-3 HOND? T			1703	KDFW-4 TX 967
		KOET-3 OK? T		1053	TGV-3 GUAT? T	10	0958	unIDs 2, 4 NW.	
	2139	KPRC-2 TX 857			YSU-4 E.S. 1160			19084	unIDs 2, 3
18	1050	KPRC-2 TX 857		1120	"had to leave"			1909	unID-4 SS
		KGBT-4 TX 1023	26	2108	-2130 CGI 2-4 W.			1920	-2130 "I'm away"
	1057	KIII-3 TX 978	27 Tr	2210	WLTX-19 SC 392			2130	unIDs 2, 3
	1115	-1620 "I'm away"		2242	WITV-7 SC 309	Tr	2249	WTNN-7 NC 526	
	1620	"still in from			WCIV-4 SC 309			WCTI-12 NC 508	
		TX 1645 f/out"			WBTW-13 SC 408	Es	23234	unIDs 2-4	
	1930	XHD-4 Tams? T		2303	WCSC-5 SC 309		0940	t/in	
	1957	KWAB-4 TX? T			WRJA-27 SC 373	11		WDAF-4 MO 1048	
	2000	KMID-2 TX? T		2318	WFLA-33 SC 408			KMOX-4 MO? T	
	2013	KACB-3 TX? T			WRLK-35 SC 385		0942	KMTV-3 NE? T	
19	0820	-0915 "many		2342	WOLQ-25 SC 380			KSD-5 MO? T	
		unIDs; CBOT-4 ON? T	28	0000	"To bed..."		0945	KCWO-5 MO 1048	
	0927	WIVB-4 NY 986	Es	1630	unID-2 MEXICO			WBBF-4 IL? T	
	0934	WTAZ-4 PA 815		1754	KEZ-3 Qro 1315		1000	KTVO-3 MO 1039	
	0935	WFSX-3 PA? T		1800	XHD-4 Tams 1135		1009	WOC-6 IA	
		CBOT-5 ON		1829	KBTX-3 TX 910			Davenport 1150	
		Toronto 1058			KNOL-4 TX 1025		1027	KOCO-5 MO 1048	
		"many CDT unIDs..."		1845	"f/out"		1055	KDFW-4 TX 967	

John F. Combs (continued)

July																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										</
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"Apologies for such a large report, but it's been a busy summer. The highlight of that summer was the June 24th opening. It entailed over 7 hours of Es that moved from New England to Texas and Mexico, to the Caribbean, including short skip to Cuba and a 5 kw Dominican Republic repeater. Skip noted on at least 60% of June days and 50% of July's (not accounting for missed openings--HI!). However, a drop-off in loggings after the 26th, partially due to storms that have apparently weakened the connections in my antenna system. I'm tempted to just replace all the lead-in--it's getting quite a beating."

Edward R. Cotton 4106 2nd Street Chesapeake, Virginia 23324

May				11	Es	1200	CJTC-2 ON	19	Es	1155	WTHS-2 FL
23	Es	1800	WORA-5 FR			1930	KUSD-2 SD	20		1900	CFSO-5 ON
		1830	WTJ-4 FL		Tr	2201	WETA-26 DC	30		1900	KCMO-5 MO
28		1055	unID-4			2259	WCMC-4Q NJ				
June						2300	WNAAC-7 MA		July		
3	Tr	1000	WRET-36 NC				"on top of a whole	19	Tr	2000	WDVN-9 DC
11	Es	1020	WEAT-2 WI				mess of 7's..."				"ex WTOP"

"Equipment used: Motorola 9" B/W with rabbit ears, RCA 19" color set, outside antenna with rotor at 31'. Construction on ch 33 for Norfolk VA is under way. License was approved first of June. No call letters assigned yet. Season was really slow. Es far apart; sometimes two weeks apart."

Jeff Wolf 1131 University Blvd. # Apt. 701 Silver Spring, Maryland 20902

May (all times EDT)		12	Es	1809	unIDs 2, 3		27	Es	1247	unID-3	PBS
7	Es	1801	unID-2 CCI	16	2009	unIDs 2, 3			1400	KCKT-2	KS 1100
3		1633	unID-2 CCI		2050	KPRC-2 TX?	T	28	1800	WPBT-2	FL 900
	Tr	2330	Salisbury U's		2303	unIDs 2, 3			2127	MUF	ch 4
4		0136	WCPB-28 MD	18	2202	unID-2 CCI			2301	unID-2	IHTP
7	Es	2037	"Cuba 2"	19	1900	unIDs on ch 3			2340	KPRC-2	TX? T
8		1245	unID-2 CCI		1923	unID-4 CCI		29	1000	KLNK-3	NE 1133
9	Fr	1802	Philly U's	20	2017	unID-2 CCI			1028	MUF	ch 4
			unIDs 29 & 16	22	1702	unID-3			1123	"Cuba 2?"	T
		1950	WCPB-28 MD		1721	MUF ch 4			1200	KTCM-2	MN 867
		2011	WXY-12 DE	23	1548	MUF ch 4			1802	unID-2	PBS
			"under W/FT"		1800	"Cuba 2"		30	1559	KOEL-3	OK
		2200	CCI on WCVB-23		1830	MUF ch 4				Butaula	1035
10	Es	2049	unID-2 CCI			KPRC-2 TX?	T		1800	W*-2	IA 750
12		1800	WDIQ-2 AL		1939	WEDU-3 FL	846	31	2300	KDAL-3	MN 937
		"audio under WMAR"		24	1550	CCI chs 2, 3			2330	unID-4	CBS

Paul D. Traska 64 Weaver Avenue Buffalo, New York 14206 (EDT)

August	21 Tr	0633	WENT-19 AL	22 Tr	0315	KCKX-4 MO
10	8s	1100	WHS-2 FL			St Louis
		1115	WBDU-3 FL		0337	WDM-2 OH
		1126	WPTV-5 FL			WKRC-12 OH
		1130	WDBO-6 FL	0655		WREG-3 TN
		1147	WCIX-6 FL	0700	0338	WBNS-10 OH
		1246	CBET-3 NS		1430	WXIX-19 OH
		1300	CBIT-5 NS			WCEI-48 OH
			Sydney			WKRF-22 OH
		1330	CJCB-4 NS	1040		W31AA-31 OH
		1400	CJAP-3 NF			Newark
			CJON-6 NF			(WOSU-34 xltr)
11		1200	KATC-3 LA	1100	1544	WCVN-54 KY
		1230	KLAB-5 LA		0030	WUSI-16 IL
14	Tr	0030	WANE-15 IN	1140		Olney
			WPTA-21 IN			JEET-25 IN
			WJQG-33 IN	1145	0200	Evansville
			WFFT-55 IN		0317	WTHR-13 IN
18		1015	WOSU-34 OH	1214		WHIO-7 OH
			WKRF-22 OH	1232		WKRC-12 OH
		1028	W41AA-41 WV		0319	WHA3-11 KY
		1031	W48AA-48 WV	1300	0335	WDM-2 OH
			(WVVU-24 xlters)		1200	WRAU-19 IL
		1055	WPTD-16 OH			WICD-15 IL
		1100	WMUL-33 WV			WHMB-40 IN
20		2245	WCFC-38 IL		1402	WICS-20 IL
		2255	WCIU-26 IL		1820	W69AC-69 OH
		2320	WOWI-15 AL	1546		Millersburg
			Florence		2017	W5202-52 OH
		2324	WENT-19 AL		2036	W47AB-47 OH
			Huntsville			(WOSU-34 xlters)
		2355	WAAV-31 AL	1555	24	0207
			Huntsville			WHIO-7 OH
			WZTV-17 TN	1556	0225	WTHR-13 IN
			Nashville		0230	WREX-13 IL
			WYEA-38 GA	1830		Rockford
			Columbus	1955	0314	WJZ-13 MD
21		0055	WTUR-48 AL	2000	1305	WLF1-18 IN
			Decatur	0035	1310	WRAU-19 IL
		0056	WKY-32 KY	0040	1315	WMBD-31 IL
			WKYT-27 KY	0100		September
		0100	KDNL-30 MO	0102	1 Tr	1330
		0140	WICS-20 IL	0108		CBLEFT9-68 ON
		0145	KPLR-11 MO	0115		WBGU-57 OH
		0235	WEEK-25 IL			WKAR-23 MI
		0245	WMC-5 TN		2	0210
			Memphis			WJNY-7 NY
		0246	WISN-12 WI	0205	0210	WANE-15 IN
		0314	WQAD-8 IL	0207	2030	W67AI-67 OH
			Moline	0208		W64AK-64 OH
		0540	WTVF-5 TN			(WVIL-25 xlters)
			Nashville	0229	2040	WBAO-49 OH
		0555	WDEF-12 TN		2200	CBLEFT-78 ON
			Chattanooga	0234		CBLEFT9-68 ON
				0313		CBLEFT1-76 ON
						Little Rock
				0314		WISN-12 WI

"An extraordinary super spectacular special, most unusual trope opening on August 20th that lasted to the 24th, the one trope opening I won't forget. This particular opening started on the same date as one two years ago (8/20/76) with tropes from VA, WV, NC, CT, MA, & PA. 19 new were logged then, a record number of new stations in my own log I thought. 8/20 to 8/24 netted me 28 NEW which pushes log to 508. DXing from 1967 to the present, it is the first time I've received UHF at 1000 miles—ELAA-14 West Monroe LA—and VHF at approximately 910 with KATV-7 Little Rock AR. Tropes opening of August '78 will be remembered, stations usually received by E-skip were also received by trope... I bought a new 12" Hitachi 3/18/78, which I think works well on UHF for small set sensitivity there. Also, my UHF rotor broke down 3/23/78, also hasn't yet been fixed. It's stuck in the WEST, but was moved a little on August 20th, though with no pin point accuracy. Still very good signals from the South as it was. 73e"

June	12 Tr	2230	Knoxville V's	20 Tr	2006	KMSG-14 IA 540
18 Rs	1131	KRPT-2 CH1280	Knoxville U's	2010	WLOS-13 NC 400	"under local"
24	1100	WPBT-2 FL 1090	2020 KBMA-41 MO 458		2112	W39AB-39 TN
		KMID-2 TX 1087	2027 KTSB-27 KS 510		2302	WUTV-29 NY 410
	1130	KENW-3 NM 1035	2032 KHIN-36 IA 470		2310	KBMA-41 MO 458
		Guba ch 3 1350	2043 KMRG-14 IA 540		2316	KLAA-14 LA? T
	1150	KMOI-4 TX 1075	2200 KHNE-29 NE 642		0618	WETA-26 DC 492
	1200	Guba ch 5 1350	KYNE-26 NE 515	21	0622	WBRE-28 PA 536
	1235	Guba ch 2 1350	"under WCU"		0655	KTVF-29 AR 537
	1238	Guba ch 5 1350	2205 KROC-10 MN 396		0656	WHMA-40 AL 482
	1300	KFPB-3 NL? T	2226 KBBT-8 MI 350		0657	WTCZ-40 NY 537
	1320	KIIL-3 TX 1102	2230 ECLN-10 NE 552			KLAA-14 LA 650
28	1923	KDBC-4 TX 1310	2300 KCMU-8 MO 350		0730	WMAC-23 MS 543
	1929	KID-3 ID 1330	0230 WJON-11 MN 480			WMMA-29 MS 620
	1930	KENW-3 NM 1035	0245 KAKE-10 KS 642		0825	W-WV-9 MS 464
30	2221	KATC-3 LA 795	0340 KLTU-4 IA 540		0900	WRDU-28 NC? T
	2356	KMTD-2 TX 1087	17 2300 KDIN-11 IA 390		1800	WCTP-22 TN
July			2304 KHIN-36 IA 470			Cookeville 313
1 Rs	0033	KWGN-2 CO 990	2100 ECLN-10 MO 445			(zero offset)
	1030	KACB-3 TX 1020	2145 "CCI on locals		1920	WENY-36 NY 485
	1100	KMID-2 TX 1087	8 & 13--prob. Tulsa"		1925	unID-41
	1224	KWGN-2 CO 990	2200 KBMA-41 MO? T		1935	unID-44
4 Tr	2210	WRBT-36 NC? T	"under WUHQ"		2040	WTAP-29 PA 573
	2215	KOLR-10 MO 445	0030 WUTV-29 NY 405		2041	WLVT-39 PA? T
	2230	WKPT-19 TN 346	0045 KODR-12 MO 515		2042	WKBS-48 PA? T
5	0510	WLOS-13 NC 400	0540 WTCZ-40 NY 537		2205	KBMA-41 MO 458
	0520	WTV-9 TN 385	0545 WNEP-16 PA 545		2219	KLAA-14 LA? T
	1920	"very strong signals from central & eastern TN"	0549 WTAP-29 PA 573		0440	WTAB-27 VA
	1922	WLOS-13 NC 400	0613 WRDU-28 NC 522	22		Portsmouth 584
	1930	Huntsville U's	2000 WKNO-10 TN 433		0448	WOLC-25 SC 542
	2000	WICI-45 TN 385	22 Bs 1655 ICR-2 COBA 1300		0502	WICZ-40 NY 537
	2155	KBMA-41 MO 458	"palm tree" TP"		0526	WBRB-28 PA 536
	0525	WERR-28 PA 536	24 Tr 2230 WHD-13 IA 390			WNEP-16 PA 545
	0616	WEAA-26 DC 492	701-5 IA 410		0532	KBMA-41 MO 445
	0717	KOLR-10 MO 445	2300 KYNE-26 NE 515		0535	WRDU-28 NC? T
	"thru WHTI"		KHIN-36 IA 470		0555	HOWL-15 NC 405
	2000	WUTV-29 NY 410	KMRG-14 IA? T		0559	WTAP-29 PA 573
	2010	WENY-36 NY? T	28 Bs 1847 KWGN-2 CO 990		0615	WHTV-24 MS? T
	2120	CICO-24 ON	Tr 2200 KOLR-10 MO 445		0721	WBFF-45 MD 508
	Ottawa 623		0705 WETA-26 DC? T		0729	WETA-26 DC 492
	2140	CBLF-44 ON 470	0730 W39AB-39 TN		0735	W39AB-39 IN 360
	2339	WHNB-30 CT 704	Greenville 360		1900	WETA-26 DC 492
7	0027	WTAP-29 PA 573	(WKPT-19 xltr)		2000	WGPB-28 MD
	0055	CKGN2-2 ON	"This xltr had been snow free all morn."			Salisbury 577
	Bancroft 518		I called WKPT-19 & engineer said xmr is only 100W, but is located on highest point in eastern Tennessee."		2020	WWTU-53 VA? T
	0525	WENY-36 NY 490	0730 WRBT-36 NC 473		2115	WRDU-28 NC 522
	"Wilkes-Barre area U's weak"		"now NBC"		2129	WLVT-39 PA? T
	0530	WBBK-38 MA? T	0735 WHMA-40 AL 482		2220	KBMA-41 MO 458
8	1855	"Des Moines & Ames IA VHF's"	0855 W5822-58 OH		2230	WTAP-29 PA 573
	1900	KHIN-36 IA 470	Georgetown 150		2232	WVIR-29 VA
	1940	KMRG-14 IA 540	(WCHT-48 xltr)			Charlottesville 442
	2000	WLEF-36 WI			2245	WTFP-33 PA
	Park Falls 427					Hershey 500
	2007	HWG-28 WI 408			2305	W60AB-60 WV
	2145					

WESTERN TV-DX

Bill Block
4307 S.E. Clay St.
Portland, OR 97216
Deadline: 5th

OCTOBER 1978

August and September have been very dull here in Portland, but in other parts of the country there has been some good tropo openings.

Fred McCormack, 909 12th St. N., Fargo, ND CDT

Receivers: Heath GR-169, GR-2000, "Broadmoor 9" B&W. Antennas: Rabbit ears.

August 1978

13 Tr 0102 <u>KTV</u> 4 IA 300	13 Tr 0202 <u>WOI</u> 5 IA 385	24 Tr 2230 <u>KDSD</u> 16 SD 105
0136 <u>WEAU</u> 13 WI 320	0239 <u>KTVO</u> 3 MO 490	2259 <u>WHWC</u> 28 WI 270
0138 <u>KTKA</u> 2 MN 215	14 Es 1853 <u>CPAC</u> 2 AB 840	2300 <u>KYIN</u> 24 IA 310
0147 <u>KCRG</u> 9 IA 395	24 Tr 0656 <u>KMNE</u> 7 NE 340	<u>September 1978</u>
0150 <u>KETV</u> 7 NE 335	0659 <u>KXON</u> 5 SD 225	02 Tr 0959 <u>WDSE</u> 8 MN 220
0154 <u>WOMT</u> 6 NE 385	2213 <u>WLEF</u> 36 WI 310	1000 <u>KDSD</u> 16 SD 105

new logging ___ new prop. mode. August saw a couple nice tropo openings. I suppose I am hampered with the rabbit ears, but it is interesting DX any way.

John M. Jefferson, 1150 Tilton Dr., Concord, CA

I'm not usually a TV DX'er, but the lack of activity on FM finally drove me to try it. I have a small Wards taw with my FM antenna. I'm currently commuting 120 miles a day so will probably be moving soon. Whenever I get settled, though, a proper TV setup is now a must. XEW has bitten me with the TV DX bug, I think; or until I heard their ID, the TV was just to keep me posted on ES developments while the FM band was dead.

June 1978

10 Es 1750 KMID 2 TX 1185 local references on audio, video a total mess.
13 Es 1825 XEW 2 UF 1700 ID on audio, video again garbled.

John Phillips, 4459 Downing Ct., Pleasanton, CA 94566

July 1978

01 Es 1000 <u>KDIX</u> 2 ND 1159	06 Es 2030 <u>KWGN</u> 2 CO 932	15 Es 1300 <u>KLNE</u> 3 NE 1193
CKCK 2 SE 1253	KTVS 3 CO 1016	1330 <u>KDIX</u> 2 ND 1159
1035 <u>KPTR</u> 5 ND 1276	2040 <u>KLNE</u> 3 NE 1193	1400 <u>CKCK</u> 2 SR 1253
1100 <u>KUJB</u> 4 ND 1369	KNOP 2 NE 1144	17 Es 2030 <u>CKSA</u> 2 AT 1241
1105 <u>KTVQ</u> 2 MT 888	2110 <u>KTWO</u> 2 WY 908	2055 <u>CPAC</u> 2 AT 992
1233 <u>KOMO</u> 4 WA 709	2131 <u>KTVQ</u> 2 MT 888	16 Es 0930 <u>KMID</u> 2 TX 1183
1300 <u>CBUT</u> 2 BC 799	10 Es 1125 <u>CPAC</u> 2 AT 992	KENW 3 NM 1055
1755 <u>KSPM</u> 2 CH 963	CFCW 4 AT 992	KAMR 4 TX 1140
1757 <u>KMID</u> 2 TX 1183	1130 <u>CPRW</u> 3 AT 1181	24 Es 1846 <u>CKSA</u> 2 AT 1241
1800 <u>KENW</u> 3 NM 1055	1139 <u>CBXT</u> 5 AT 1181	1850 <u>CPHN</u> 3 AT 1181
02 Es 1029 <u>KCKT</u> 2 KS 1243	1815 <u>KDIX</u> 2 ND 1159	1900 <u>KNOP</u> 2 NE 1144
1035 <u>KARD</u> 3 KS 1453	1840 <u>KUSD</u> 2 SD 1356	1905 <u>KMTV</u> 3 NE 1395
1050 <u>KAMR</u> 4 TX 1140	1843 <u>KXON</u> 5 SD 1312	KLNE 3 NE 1193
KACB 3 TX 1284	1900 <u>KPTR</u> 5 ND 1276	1918 <u>KSNR</u> 4 NE 1280
05 Es 0905 <u>KMID</u> 2 TX 1183	1905 <u>KPRY</u> 3 SD 1240	1935 <u>KTVI</u> 4 IA 1380
KENW 3 NM 1055	1907 <u>KPLD</u> 6 SD 1247	2000 <u>KCKT</u> 2 KS 1243
0915 <u>KWAB</u> 4 TX 1206	1945 <u>KDNE</u> 4 NE 1060	CFAC 2 AT 992
KTXT 5 TX 1150	1952 <u>KTVI</u> 4 IA 1380	2012 <u>KREM</u> 2 WA 744
KMNE 5 NM 863	2000 <u>KNOP</u> 2 NE 1144	26 Es 0630 <u>KCKT</u> 2 KS 1243
KAYE 6 NM 1055	KMTV 3 NE 1395	0710 <u>KAMR</u> 4 TX 1140
0923 <u>KAMR</u> 4 TX 1140	2123 <u>KTVQ</u> 2 MT 888	0730 <u>KPDZ</u> 3 TX 1327
1004 <u>KACB</u> 3 TX 1284	12 Es 0930 <u>CKSA</u> 2 AT 1241	0733 <u>KABZ</u> 6 TX 1327
1019 <u>KDBC</u> 4 TX 963	15 Es 0845 <u>KMID</u> 2 TX 1183	0745 <u>KTXT</u> 5 TX 1150
2030 <u>KENW</u> 3 NM 1055	KENW 3 NE 1055	0752 <u>KENW</u> 3 NM 1055
2035 <u>XHI</u> 2 SN 986	KWAB 4 TX 1206	0755 <u>KMID</u> 2 TX 1183
XHQ 3 SN 1232	1000 <u>CPAC</u> 2 AT 992	0800 <u>KWAB</u> 4 TX 1206
XHBS 4 SN 1115	1040 <u>KREM</u> 2 WA 744	0820 <u>KACB</u> 3 TX 1284
06 Es 2020 <u>KDA</u> 4 CO 932	KXLX 4 WA 744	

With the skip season sinking slowly in the west, conditions haven't improved much over the last month. MUF's are still low while the quality of most openings has been mediocre at best. Just bought an AC-4990 so I could see what all the hoopla's about. I'm now making some A/B switch comparisons tests between it and Jerrold's "high-gain" DSU-105 preamp. I'll give a detailed report next month, but preliminary testing has been quite surprising. And MUF in 4990's favor.

B.W. Battin, 4305 Pitt, Duluth, Minnesota 55804

Wow! What a tropo opening on 8/20. Logged my first ever 1000-mile tropo catch WATL-36, Atlanta, at 1010 miles! The video was badly distorted by CCI, but the audio was clear, and the station was signing off. Got a number of other stations in the 800-900 mile range. The whole eastern third of the nation must have been under a blanket of tropo.

August 1978

11 Es 0054 WESH 2 FL 1410	13 Tr 2109 CKCO 42 OH 580	20 Tr 2238 CKCO3 42 OH 580
0102 KUTV 2 UT 1080	2111 U's Detroit	2250 WATL 36 GA 1010
0121 KTWQ 2 WY 755	2158 WEYI 25 MI 475	21 Tr 0007 WYUR 48 AL 900
12 Tr 2041 WGVC 35 MI 425	2159 WCTU 14 MI 430	0010 WKPT 19 TN 880
2044 U's Kansas City	2252 WFFT 55 IN 540	0029 WDWL 15 AL 880
2046 U's Sioux City	14 Tr 0005 CKEH 29 OH 580	0222 KMOX 4 MO 575
2048 KTSB 27 KN 570	0013 WFTV 9 MI 380	22 Tr 1500 WUHQ 41 MI 475
2053 KYNE 26 NE 430	0014 WTOP 10 MI 380	WETI 25 MI 474
2054 KHNE 29 NE 535	0036 WOTV 8 MI 425	24 Tr 1856 U's Chicago
2059 KBIN 32 IA 430	0038 WOC 6 IA 375	1858 U's Peoria
2109 KSPY 13 SD 320	0042 WJRT 12 MI 505	25 Tr 0054 WICS 20 IL
2114 KCBJ 17 MO 545	0112 WQAD 8 IL 375	1015 U's Detroit
2132 KONE 19 NE 425	2151 U's Chicago	U's South bend
2232 KDNL 30 MO 575	20 Tr 2158 KDNL 30 MO 575	U's Ft. Wayne
2237 U's Chicago	KMTC 27 MO 670	WLIX 19 OH 660
2254 KHIN 36 IA 435	U's Peoria	WCST 48 OH 660
2300 KETV 7 NE 430	2200 KDZK 21 MO 670	1024 CKCO3 42 OH 580
13 Tr 0002 U's South Bend	2204 KCBJ 17 MO 670	1028 WDHO 24 OH 565
0009 U's Peoria	2209 WDAU 22 PA 915	1033 WPGH 53 PA 765
0053 KMTV 3 NE 430	2219 U's Detroit	1035 WNEO 45 OH 700
0113 WICS 20 IL 500	2242 WKEM 27 OH 710	1036 WUAB 43 OH 635
0204 KTIV 4 IA 365	2304 WPMJ 21 OH 710	1115 WOLN 54 PA 690
0205 KTYO 3 MO 460	2252 WNEO 45 OH 700	1137 U's Youngstown
0209 KMBC 9 MO 550	2208 WTVY 33 OH 710	1556 WVIZ 25 OH 635
0226 WQNT 6 NE 430	2233 WFIE 14 IN 655	

And here's hoping everyone else's tropo has been as good as what I've been getting here. Duluth log total now at 229.

Pat Dyer, 5315 Silvertip Drive, San Antonio, Texas 78228

CST

Equipment: 1976 9-inch B&W Penncrest; Archer V-100 and 8-tay bow-tie UHF array at 20 feet with rotor.

August 1978

01 ms 0656 KTCA 2 MN 1110	03 Tr 0451 KBMT 12 TX 275	03 Tr 2100 WRBT 33 LA 450
Es 0827 KXNT 2 CA 1190	0500 KLPT 10 LA 395	04 Es 2150 KUTVt 2 UT 1080
0830 KUTVt 2 UT 1080	0507 WVUE 8 LA 510	05 Es 0055 WESHt 2 FL 1055
0835 KNBCt 4 CA 1190	0510 KPDW 6 TX 275	ms 0344 WJBK 2 MI 1225
0847 KORK 3 NV 1050	Es 0930 unIDs 2-3	06 Es 0645 unIDs 2-4
0915 KTVK 3 AZ 835	0959 KINT 3 IA 985	0859 KTCA 2 MN 1110
1030 unIDs 2-4	1000 WJBK 2 MI 1225	WISC 3 WI 1065
1033 WBTv 3 NC 1105	WCOt 4 MN 1110	KDALt 3 MN 1250
1055 WRCB 3 TN 865	1005 MUF 92.3	KINTt 3 IA 985
1100 WBAV 2 WI 1190	1029 KTCA 2 MN 1110	0902 WCOt 4 MN 1110
WISC 3 WI 1065	KFWO 3 MO 835	KSTPt 5 MN 1110
1159 KUTV 2 UT 1080	1049 MUSD 2 SD 920	1020 f/outa
1227 KBCt 2 ID 1370	KFRTt 5 ND 1200	07 ms 0309 WAGA 5 GA 880
02 Es 1359 WGBD 2 SC 1120	1105 WHEM 2 IL 1045	08 ms 0357 WPEC 4 SC 1030
WSAV 3 GA 1050	1123 KDLO 3 SD 1070	WPTV 3 NC 1105
1530 WESH 2 FL 1055	1125 WBAV 2 WI 1190	(each prior by Es)
1610 f/outa	1129 KPLO 6 SD 955	Es 1020-1100 unIDs 2,3
03 ms 0405 WLAC 5 TN 820	1159 ROTA 3 SD 1040	1059 KDIX 2 ND 1225
(2-3 min burst)	1231 KFWO 2 WY 1015	1101 CKPR 2 ON 1400
Tr 0424 KNOE 8 LA 440	1258 KUTV 2 UT 1080	1115 unID 4
KLTv 7 TX 280	1259 KWGN 2 CO 810	1200 f/out
0429 WJTV 12 MS 525	1325 KTVXt 4 UT 1080	09 Es 0935 KXNTt 2 CA 1190
0444 WBRZ 2 LA 450	KSLt 5 UT 1080	0945 KORKt 3 NV 1050
WAFB 9 LA 450	1328 MUF 90.1	KTVKt 3 AZ 835
0448 KPLC 7 LA 325	1415 f/outa	KNBCt 4 CA 1190
0450 WRBTt33 LA 450	Tr 1859 KPDW 6 TX 275	0958 MUF 89.9

August 1978

09 Es 1055 KTCat 2 MN 1110
1059 KDAL 3 MN 1250
1150 f/outs
10 Ch 5 Ft. Worth on with
Tp at 0415; 5 local on
at 0518, 4 on 0522 so
makes a rough time to
get anything new when
peak at 0600.
Es 1210-1215 unID 2
1300-1305 unID 2
11 ms 0411 WAVE 3 KY 945
Tr 0413 KLTv 7 TX 280
KNOE 8 LA 440
0414 KLFY 10 LA 395
ms 0423 WMT 2 IA 945
Tr 0430 KPLC 7 LA 325
0436 WAFB 9 LA 450
Es 0930-0935 unID 2
1005-1010 unID 2
12 ms 0343 WAGA 5 GA 880
0419 WAVE 3 KY 945
0435 WSB 2 GA 880
(2-Houston on 0440 and
local 4 soon after that
a lesson in how to screw
up a meteor shower.)
Es 1915 unID 2
ms 2300 KCRt 2 KS 615

12 Morning to noon meteor
rates so high that Ch 2
seldom vacant of a burst
for more than 10-15 sec.
at a time.
13 ms 0446 KTVV 3 MO 615
0447 WEAR 3 FL 685
0448 WRBL 3 GA 830
0509 WYTC 3 OH 1250
0520 WCIA 3 IL 935
14 ms 0332 WLWT 5 OH 1035
15 ms 0350 WLAC 5 TN 820
17 Tr 0020 WRBT 33 LA 450
0430 KPLC 7 LA 325
18 Tr 0920 KETSt 2 AR 515
20 Tr 2337 WAFB 9 LA 450
25 Es 1335 Cuba 2 (tp)
1340 WTVJt 4 FL 1150
1344 WCIXt 6 FL 1150
1359 WTHS 2 FL 985
1410 f/outs
1800 unIDs 2
1817 KTWO 2 VT 1015
1830 KFTV 2 UT 1080
1902 KWGN 2 CO 810
1950 KORK 3 NV 1050
1954 KOAI 2 AZ 855
1958 KVVUt 5 NV 1040
2030 MUF 97.9

25 Es 2005 KNIXt 4 CA 1190
2015 KNIXt 2 CA 1190
2030 KTVKt 3 AZ 835
2140 f/outs
28 Es 1925-1930 unID 2
2005-2035 unID 2
29 Es 0914 WTHS 2 FL 1150
31 Es 1855 WESht 2 FL 1055
1935 WEDUt 3 FL 985
2110 WPBTt 2 FL 1150
WTVJt 4 FL 1150
2050 f/outs

After the first week or so
of the month Es went into a
slump, with some revival in
the last week of August.
The Persaeids appeared to be
in good shape but ID's made
very difficult, as noted
above, with the early s/on
of local and semi-local
stations on the most "wanted"
Ch's and trop conditions
were up (500 mile range).
Judging by the WWV reports
the last week of August
should have been very wild
for those in the north who
get aurorae.

LOOKING FOR WINTER DX?



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CONVENTION *REPORT* 1978

"Thanks to all for all the good wishes, because by some miracle I did get my MCC 1st class, much to my surprise! But that's not what you were looking here for, what you were searching for is the fact that those who signed the Louisville convention really did miss a great time....those who were here with us will vouch for that and if you weren't, we want to know WHY NOT!!

Seriously, with an attendance of about 40 (facts be they known Wayne Murphy who was the co-host moved recently to Nashville and has the exact record!) we had a grand time, as the ATFDers managed to visit a number of the local stations, ride the 1920s vintage steamboat Belle of Louisville--the only floating City-County park in the US--and see a number of different and interesting presentations--from slides of DX to a complete explanation of CCA from Bruce Alving.

We also managed to get in the first (I say this as I am SURE this will become an annual event) ATFD's waterball game in the motel pool and we managed through some obvious oversight to not get evicted from the hotel during the weekend. We also managed to eat through enough food at the banquet to feed a small army, and somehow we had more beer than soft drinks leftover, which means that while you might get sick from six cokes, nobody we saw was drunk (of course with a DXer how can you tell, anyway??)

Those who attended will forgive me the oversight of repetition, but those who didn't come will be interested to know the following facts, which nobody could REALLY...forget:

--Given some 50 Radio Shack beach balls and some 40 odd DXers and a motel pool with 90 degree temperatures, watch out! We even got George Greene into the pool!

--It is possible to be in radio and rich, but it is rare to find someone who is not only both, but a great and humorous speaker as was Clarence Benson at the ATFD Banquet Saturday night! For those who did not show, he gave out free records to all comers!

--Downtown Louisville is an interesting place on a Saturday when a bunch of DXers are turned loose on an otherwise quiet German Festival. Those attending said it was the "superst" part of the weekend!

--It is possible to DX the riverboats, including the Belle of Louisville as the DXers found during a special tour of the pilothouse and top deck of the Belle. Radio, steering and Ohio river navigation were explained.

--For Rich Begalas, who says he bets I don't tell the whole story, Louisville kept its part of the annual summer of conventions, because it did rain here during the convention. Rich, for those skeptics out there, says "it always rains" and it did here--we attempt to uphold all traditions!

--It was great to see so many DXers we had not met before here in Louisville. Most folks were surprised not only because so many people did show up, but because a lot of them were not regular attenders of ATFD conventions--we hope they will all make it a habit, wherever we go next year!

Last but not least, we will note (for the skeptics who said I could never do it being a spendthrift) that it appears the convention made a few bucks for the club. We have a couple small bills yet to pay, but otherwise, things look good. We thank all who made it possible--from the many firms and stations who helped us, to the DXers who came, visited, saw, enjoyed, lectured, exhibited and the like. We hope that all enjoyed it as much as Wayne and I did putting it together!

Ted Leischaker (aka Wolf J. Lywheel!)

Photos Next Month!





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